

**CITY OF AUSTIN - STANDARD NOTES**  
**EROSION AND SEDIMENTATION CONTROL**  
**(MODIFIED FOR USE ON GENERAL PERMIT PROJECTS)**

1. THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR EXCAVATION).

2. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE ENVIRONMENTAL CRITERIA MANUAL AND THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.

3. THE PLACEMENT OF TREE/NATURAL AREA PROTECTIVE FENCING SHALL BE IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION AND THE APPROVED GRADING/TREE AND NATURAL AREA PLAN.

4. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD ON-SITE WITH THE CONTRACTOR, DESIGN ENGINEER, PERMIT APPLICANT, AND GENERAL PERMIT PROGRAM REPRESENTATIVE AFTER INSTALLATION OF THE EROSION/SEDIMENTATION CONTROLS AND THE TREE/NATURAL AREA PROTECTION MEASURES AND PRIOR TO BEGINNING ANY SITE PREPARATION WORK. THE CONTRACTOR SHALL NOTIFY THE GENERAL PERMIT PROGRAM OFFICE AT 512/974-6330, AT LEAST 3 DAYS PRIOR TO THE MEETING DATE.

5. ANY SIGNIFICANT VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS MUST BE APPROVED BY THE REVIEWING ENGINEER AND THE GENERAL PERMIT PROGRAM REPRESENTATIVE.

6. THE CONTRACTOR IS REQUIRED TO INSPECT THE CONTROLS AND FENCES AT DAILY INTERVALS AND AFTER SIGNIFICANT RAINFALL EVENTS TO INSURE THAT THEY ARE FUNCTIONING PROPERLY. THE PERSON(S) RESPONSIBLE FOR MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES SIX (6) INCHES. SILT ACCUMULATION AT INLET DEVICES SHOULD BE REMOVED WHEN THE DEPTH REACHES TWO (2) INCHES.

7. PRIOR TO FINAL ACCEPTANCE BY THE CITY, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING DEBRIS SHALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES.

8. ALL WORK MUST STOP IF A VOID IN THE ROCK SUBSTRATE IS DISCOVERED WHICH IS ONE SQUARE FOOT OR LARGER IN TOTAL AREA, BLOWS AIR FROM WITHIN THE SUBSTRATE, AND/OR CONSISTENTLY RECEIVES WATER DURING ANY RAIN EVENT. AT THIS TIME, IT IS THE RESPONSIBILITY OF THE PROJECT MANAGER TO IMMEDIATELY CONTACT THE GENERAL PERMIT PROGRAM REPRESENTATIVE FOR FURTHER INVESTIGATION.

9. FIELD REVISIONS TO THE EROSION/SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE GENERAL PERMIT PROGRAM REPRESENTATIVE DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES. ANY REVISIONS TO THE PERMITTED PLAN MUST BE APPROVED BY THE GENERAL PERMIT PROGRAM OFFICE OF THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT.

10. PERMANENT EROSION/SEDIMENTATION CONTROL: ALL DISTURBED AREAS SHALL BE RESTORED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. WHERE THE CRITERIA MANUAL AND CONTRACT DOCUMENTS DIFFER THE MOST ENVIRONMENTALLY BENEFICIAL MATERIALS/METHOD SHALL BE REQUIRED UNLESS OTHERWISE APPROVED BY THE GENERAL PERMIT PROGRAM REPRESENTATIVE.

**11. DEVELOPER INFORMATION:**

OWNER: NADIA BARRERA, PMP  
COMPANY: CITY OF AUSTIN  
CONTACT: (512)974-7142  
ADDRESS: 505 BARTON SPRINGS RD. AUSTIN TEXAS 78704

PHONE: (512)974-7142  
E-MAIL: nadia.barrera@austintexas.gov

OWNER'S REPRESENTATIVE RESPONSIBLE FOR PLAN ALTERATIONS:  
COMPANY: CITY OF AUSTIN / PUBLIC WORKS DEPARTMENT

CONTACT: RUBEN LOPEZ JR.  
ADDRESS: 505 BARTON SPRINGS RD. AUSTIN TEXAS 78704

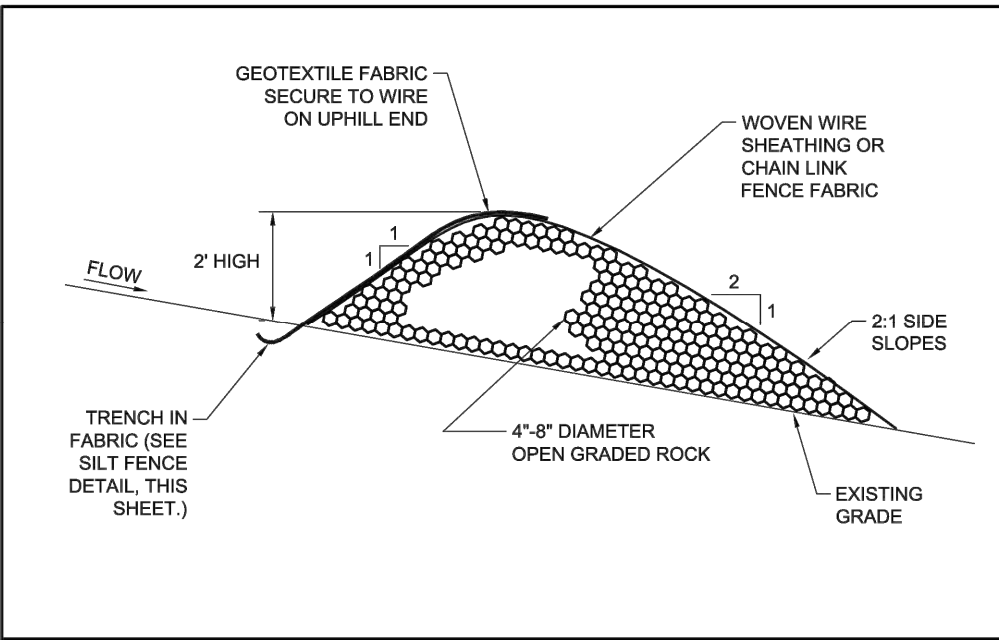
PHONE: (512)974-7159  
E-MAIL: ruben.lopez@austintexas.gov

PARTY RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL MAINTENANCE:  
COMPANY: CONTRACTOR

PARTY RESPONSIBLE FOR TREE/NATURAL AREA PROTECTION MAINTENANCE:  
COMPANY: CONTRACTOR

12. THE CONTRACTOR SHALL NOT DISPOSE OF SURPLUS EXCAVATED MATERIAL FROM THE SITE WITHOUT NOTIFYING THE GENERAL PERMIT PROGRAM REPRESENTATIVE, AT 974-6330, AT LEAST 48 HOURS PRIOR TO THE SPOILS REMOVAL. THIS NOTIFICATION SHALL INCLUDE THE DISPOSAL LOCATION AND A COPY OF THE PERMIT ISSUED TO RECEIVE THE MATERIAL.

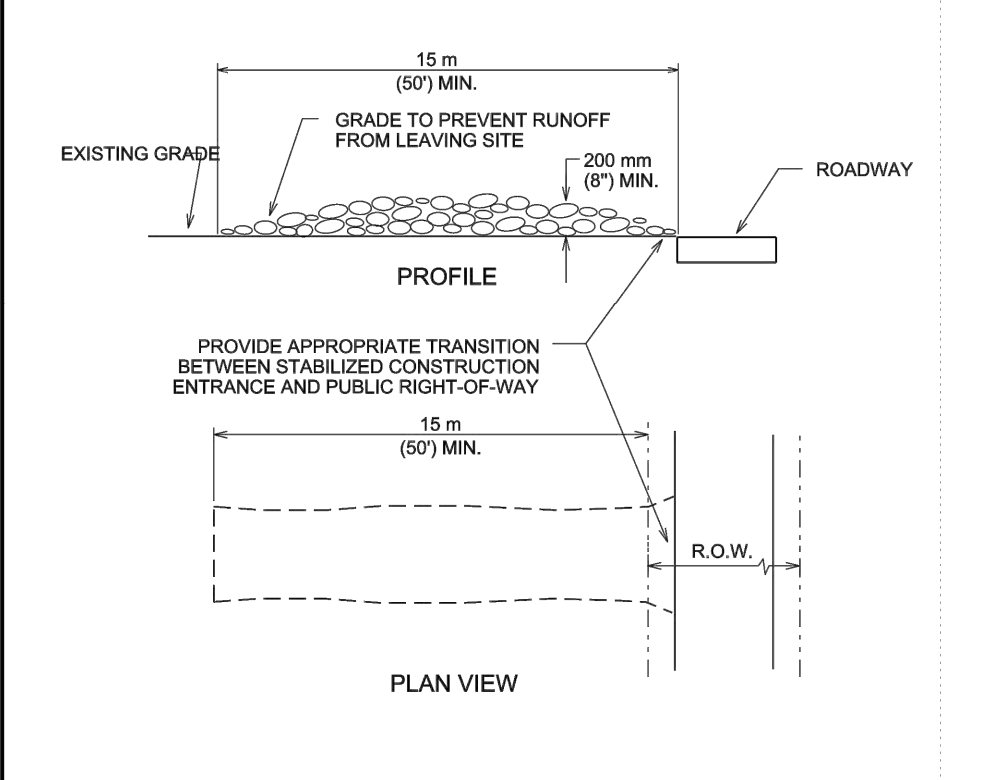
13. INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY PRIOR TO STREET WORK, AND WILL BE REMOVED AS SOON AS THE GENERAL PERMIT PROGRAM REPRESENTATIVE AGREES THAT THERE IS NO POTENTIAL FOR SEDIMENTATION.



**NOTES:**

1. USE ONLY OPEN GRADED ROCK, 4-8 INCH DIAMETER, FOR STREAM FLOW CONDITION. USE OPEN GRADED ROCK, 3-5 INCH DIAMETER, FOR OTHER CONDITIONS.
2. ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM 1 INCH OPENING AND MINIMUM WIRE DIAMETER OF 20 GAUGE.
3. ROCK BERM SHALL BE INSPECTED WEEKLY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE-WOVEN WIRE SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED SITE AND IN A MANNER AS TO NOT CREATE A SILTATION PROBLEM.
5. DAILY INSPECTION SHALL BE MADE ON SEVERE SERVICE ROCK BERMS. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 6 INCHES.
6. WHEN SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

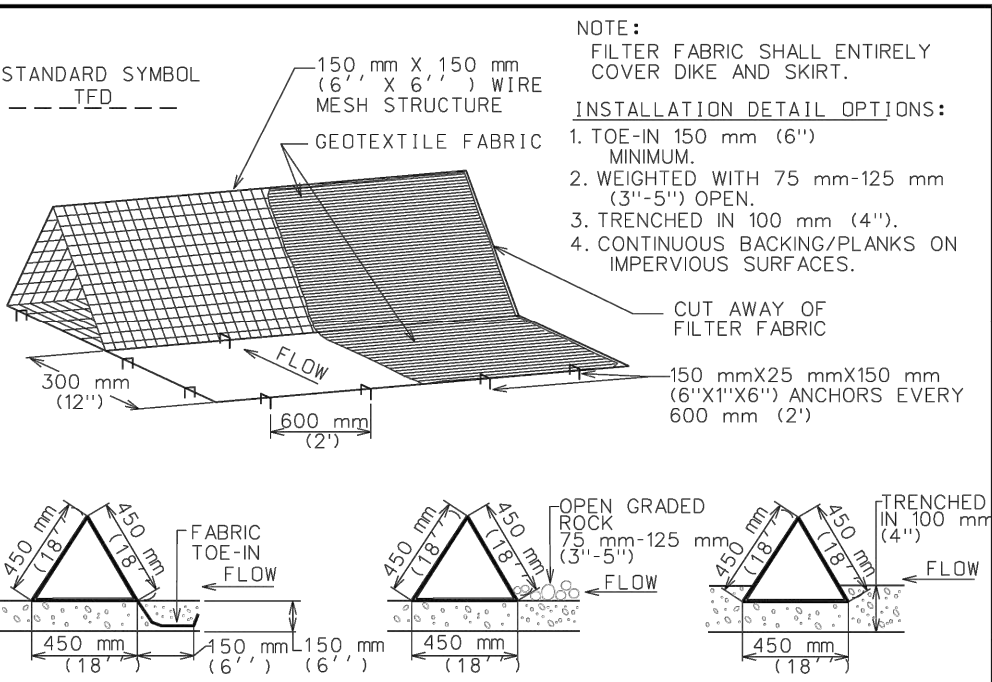
CITY OF AUSTIN	FABRIC COVERED (SEVERE SERVICE) ROCK BERM	STANDARD NO.
GENERAL PERMIT PROGRAM	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	N/A
	APPROVED	1 OF 1



**NOTES:**

1. STONE SIZE: 75-125 mm (3-5") OPEN GRADED ROCK.
2. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 15 m (50').
3. THICKNESS: NOT LESS THAN 200 mm (8").
4. WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
5. WASHING: WHEN NECESSARY, VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AND DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
6. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AS WELL AS REPAIR AND CLEAN OUT OF ANY MEASURE DEVICES USED TO TRAP SEDIMENT. ALL SEDIMENTS THAT IS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
7. DRAINAGE: ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

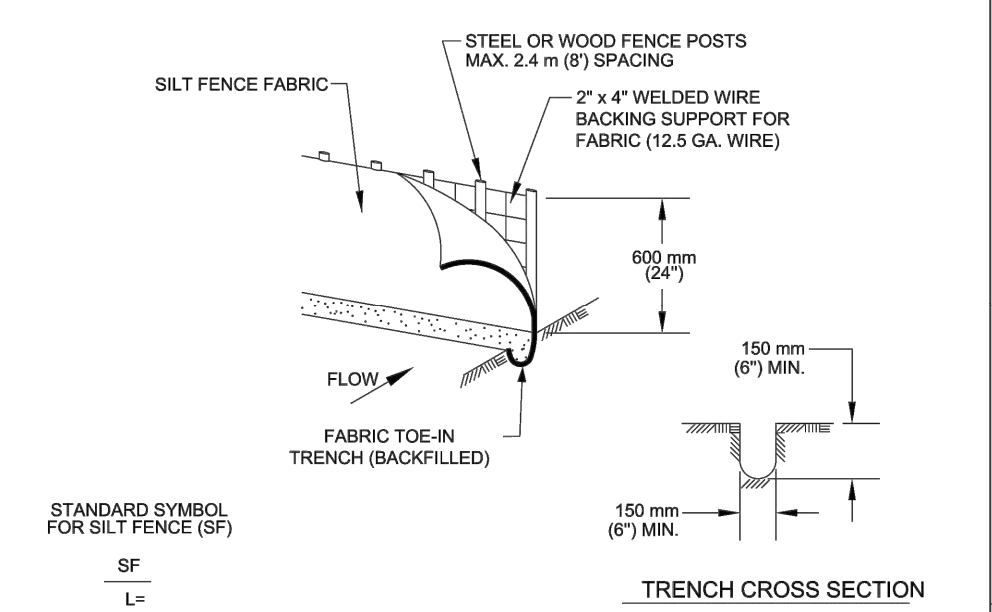
CITY OF AUSTIN	STABILIZED CONSTRUCTION ENTRANCE	STANDARD NO.
WATERSHED PROTECTION DEPARTMENT	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	641S-1
RECORD COPY SIGNED BY J. PATRICK MURPHY	5/23/00 ADOPTED	



**GENERAL NOTES**

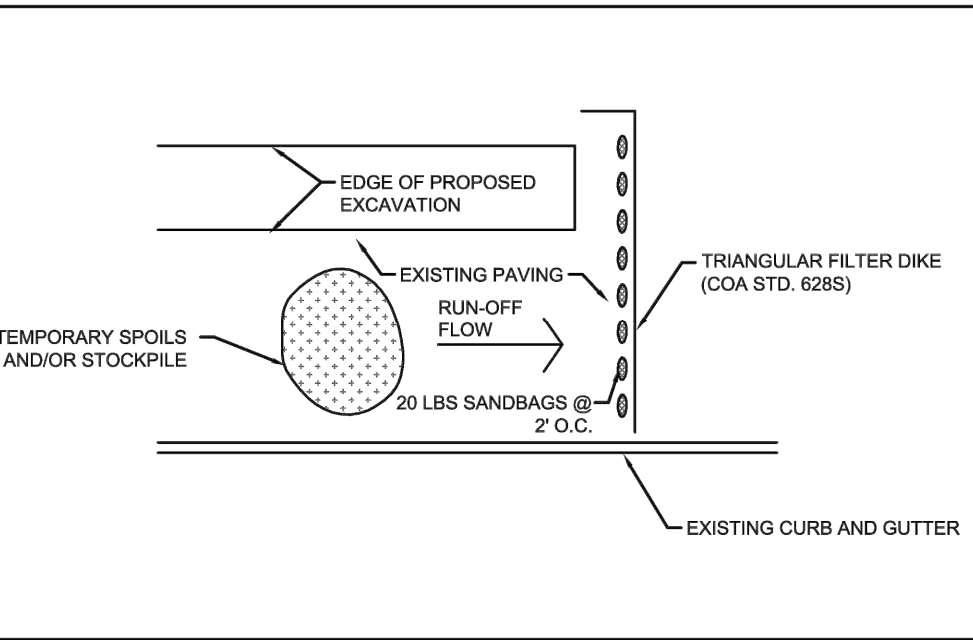
1. DIKES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT DIKE.
2. THE FABRIC COVER AND SKIRT SHALL BE A CONTINUOUS WRAPPING OF GEOTEXTILE. THE SKIRT SHALL BE A CONTINUOUS EXTENSION OF THE FABRIC ON THE UPSTREAM FACE.
3. THE SKIRT SHALL BE WEIGHTED WITH A CONTINUOUS LAYER OF 75-125 mm (3-5") OPEN GRADED ROCK OR TOED-IN 150 mm (6") WITH MECHANICALLY COMPACTED MATERIAL. OTHERWISE, THE ENTIRE STRUCTURE SHALL BE TRENCHED IN 100 mm (4").
4. DIKES AND SKIRT SHALL BE SECURELY ANCHORED IN PLACE USING 150 mm (6") WIRE STAPLES ON 600 mm (2') CENTERS ON BOTH EDGES AND SKIRT, OR STAKE USING 10M (3/8") DIAMETER RE-BAR WITH TEE ENDS.
5. FILTER MATERIAL SHALL BE LAPPED OVER ENDS, 150 mm (6") TO COVER DIKE TO DIKE JOINTS. JOINTS SHALL BE FASTENED WITH GALVANIZED SHOOT RINGS.
6. THE DIKE STRUCTURE SHALL BE MW40-150 mmx150 mm (6 GA 6"x6") WIRE MESH, 450 mm (18") ON A SIDE.
7. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.
8. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6 inches). THE SILT SHALL BE DISPOSED OF IN A MANNER WHICH WILL NOT CAUSE ADDITIONAL SILTATION.
9. AFTER THE DEVELOPMENT SITE IS COMPLETELY STABILIZED, THE DIKES AND ANY REMAINING SILT SHALL BE REMOVED. SILT SHALL BE DISPOSED OF AS INDICATED IN CITY NOTE 9 ABOVE.

CITY OF AUSTIN	TRIANGULAR SEDIMENT FILTER DIKE	STANDARD NO.
WATERSHED PROTECTION DEPARTMENT	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	628S
RECORD COPY SIGNED BY J. PATRICK MURPHY	3/27/00 ADOPTED	



1. STEEL OR WOOD POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 300 mm (12 INCHES). IF WOOD POSTS CANNOT ACHIEVE 300 mm (12 inches) DEPTH, USE STEEL POSTS.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.
3. THE TRENCH MUST BE A MINIMUM OF 150 mm (6 inches) DEEP AND 150 mm (6 inches) WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE FABRIC SHOULD BE SECURELY FASTENED TO EACH STEEL OR WOOD SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL OR WOOD FENCE POST.
5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6 inches). THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CITY OF AUSTIN	SILT FENCE	STANDARD NO.
WATERSHED PROTECTION DEPARTMENT	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	642S-1
RECORD COPY SIGNED BY MORGAN BYARS	09/01/2011 ADOPTED	

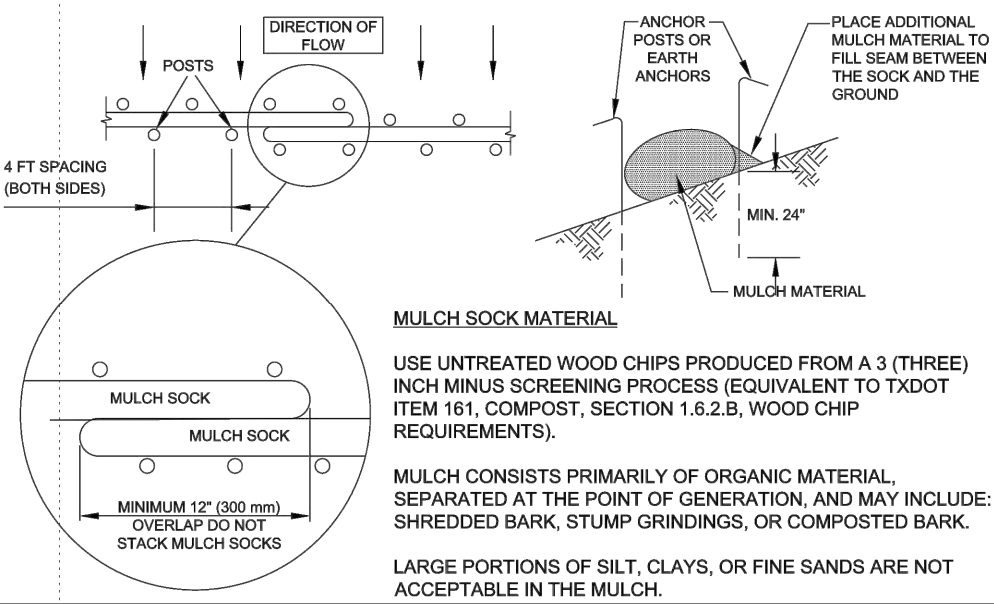


**NOTES**

1. THE TEMPORARY SPOILS/STOCKPILE STORAGE AREA AND STAGING AREA MAY BE LOCATED DIRECTLY ADJACENT TO THE EXCAVATION AND ON THE PAVEMENT.
2. ANY SPOIL NOT INTENDED TO BE REUSED WILL BE HAULED TO AN APPROVED OR PERMITTED DISPOSAL SITE DAILY.
3. INSTALL TRIANGULAR SEDIMENT FILTER DIKE (DETAIL 628S) ACROSS FULL WIDTH OF TRAFFIC CLOSURE AND DOWNSTREAM OF CONSTRUCTION AREA, PERPENDICULAR TO CURB AND PLACED TO EFFECTIVELY CATCH AND CONTAIN SEDIMENT LADEN RUNOFF FROM THE EXCAVATED AREA. FILTER DIKE TO FOLLOW ACTIVE CONSTRUCTION. REMOVING AND RE-SETTING FILTER DIKE IS CONSIDERED SUBSIDIARY TO BARRICADES AND TRAFFIC HANDLING.

**ADDITIONAL EROSION/SEDIMENTATION CONTROL FOR WORK IN PAVED AREAS FOR GENERAL PERMIT PROGRAM PROJECTS**

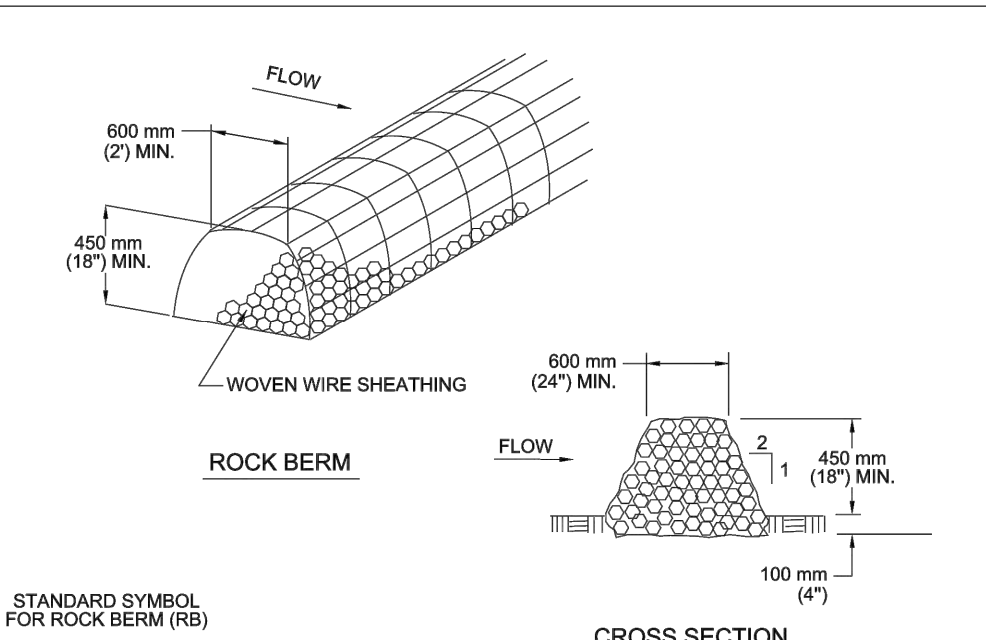
CITY OF AUSTIN	GENERAL PERMIT PROGRAM	STANDARD NO.
WATERSHED PROTECTION DEPARTMENT	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	N/A
RECORD COPY SIGNED BY MORGAN BYARS	8/24/2010 ADOPTED	



**NOTES:**

1. STEEL OR WOOD POSTS WHICH SUPPORT THE MULCH SOCK SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 600mm (24 inches). IF WOOD POSTS CANNOT ACHIEVE 600mm (24 inches) DEPTH, USE STEEL POSTS. EARTH ANCHORS ARE ALSO ACCEPTABLE.
2. THE TOE OF THE MULCH SOCK SHALL BE PLACED SO THAT THE MULCH SOCK IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. IN ORDER TO PREVENT WATER FROM FLOWING BETWEEN THE JOINTS OF ADJACENT ENDS OF MULCH SOCKS, LAP THE ENDS OF ADJACENT MULCH SOCKS A MINIMUM OF 300mm (12 inches).
3. MULCH MATERIAL MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH; IT IS NOT ACCEPTABLE FOR THE MULCH MATERIAL TO CONTAIN GROUND CONSTRUCTION DEBRIS, BIOSOLIDS, OR MANURE.
4. SOCK MATERIAL WILL BE 100% BIODEGRADABLE, PHOTODEGRADABLE, OR RECYCLABLE SUCH AS BURLAP, TWINE, UV PHOTOBIODEGRADABLE PLASTIC, POLYESTER, OR ANY OTHER ACCEPTABLE MATERIAL.
5. MULCH SOCKS SHOULD BE USED AT THE BASE OF SLOPES NO STEEPER THAN 2:1 AND SHOULD NOT EXCEED THE MAXIMUM SPACING CRITERIA PROVIDED IN CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL TABLE 14.5.F.1 FOR A GIVEN SLOPE CATEGORY.
6. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150mm (6 inches). THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CITY OF AUSTIN	MULCH SOCK	STANDARD NO.
WATERSHED PROTECTION DEPARTMENT	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	648S-1
RECORD COPY SIGNED BY MORGAN BYARS	08/24/2010 ADOPTED	



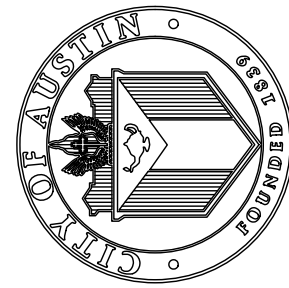
**STANDARD SYMBOL FOR ROCK BERM (RB)**

RB

**NOTES:**

1. USE ONLY OPEN GRADED ROCK 75 to 125 mm (3 to 5") DIAMETER FOR ALL CONDITIONS.
2. THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM 25 mm (1") OPENING AND MINIMUM WIRE DIAMETER OF 12.9 mm (20 GAUGE).
3. THE ROCK BERM SHALL BE INSPECTED DAILY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE-WOVEN SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SEDIMENT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. IF SEDIMENT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR 150 mm (6"), WHICHEVER IS LESS, THE SEDIMENT SHALL BE REMOVED AND DISPOSED OF ON AN APPROVED SITE AND IN A MANNER THAT WILL NOT CREATE A SEDIMENTATION PROBLEM.
5. WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

CITY OF AUSTIN	ROCK BERM	STANDARD NO.
WATERSHED PROTECTION DEPARTMENT	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	639S-1
RECORD COPY SIGNED BY MORGAN BYARS	8/24/2010 ADOPTED	



**GENERAL PERMIT OFFICE**  
**EROSION/SEDIMENTATION**  
**CONTROL**  
**CITY OF AUSTIN STANDARD NOTES AND DETAILS**

REVISIONS	NO.	DATE	BY	REMARKS



**ENGINEERING SERVICES**  
**DIVISION**

GP-2016-\_\_\_\_.PWD

CE-001

12 OF 37



GENERAL PERMIT PROGRAM (GPP)  
STANDARD ENVIRONMENTAL NOTES:

ADDITIONAL AREAS:

1. ANY ADDITIONAL AREAS REQUIRED FOR CONSTRUCTION OF THIS PROJECT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR MUST SECURE CITY OF AUSTIN APPROVAL OF PROPOSED ADDITIONAL AREAS PRIOR TO USE. APPROVAL OF "CORRECTION REQUEST" MUST BE SECURED FROM THE GENERAL PERMIT PROGRAM OFFICE OF THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT.

2. ALL ASSOCIATED PERMITS AND FEES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

3. IN ORDER TO SECURE APPROVAL FOR USE OF ADDITIONAL AREAS, CONTRACTOR MUST PROVIDE COMPLETE "CORRECTION REQUEST" SUBMITTAL TO GENERAL PERMIT PROGRAM OFFICE AND ALLOW A ONE WEEK COMMENT PERIOD FOR EACH REVIEW. CONTRACTOR SHOULD REQUEST INFORMATION ON THE ELEMENTS REQUIRED TO BE INCLUDED IN THE SUBMITTAL FROM THE OWNER'S REPRESENTATIVE OR THE GENERAL PERMIT PROGRAM OFFICE.

4. CONTRACTOR MUST INSTALL AND MAINTAIN EROSION/SEDIMENTATION CONTROLS AND TREE PROTECTION FOR ALL SUCH AREAS IN ACCORDANCE WITH THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL AND AS INCLUDED IN THE APPROVED SUBMITTAL OR DIRECTED IN THE FIELD BY THE GENERAL PERMIT PROGRAM REPRESENTATIVE.

5. A SIGNED COPY OF THE PLANS PERMITTED THROUGH THE GENERAL PERMIT PROGRAM MUST BE KEPT ON SITE AND ACCESSIBLE AT ALL TIMES DURING PROJECT CONSTRUCTION.

DEWATERING:

CONTRACTOR IS RESPONSIBLE FOR DEWATERING OF WORK AREA. CONTRACTOR MUST SECURE CITY OF AUSTIN APPROVAL OF PROPOSED DEWATERING PROCEDURES PRIOR TO INSTALLATION OR USE. APPROVAL MUST BE SECURED FROM THE GENERAL PERMIT PROGRAM (GPP) OFFICE OF THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT. CONTRACTOR MUST PROVIDE COMPLETE SUBMITTAL TO GPP OFFICE AND ALLOW AN ONE WEEK (MIN.) COMMENT PERIOD FOR EACH REVIEW. CONTACT THE GPP OFFICE FOR SUBMITTAL REQUIREMENTS.

FUEL STORAGE:

FUEL STORAGE IS PROHIBITED ON THIS PROJECT. ADDITIONALLY, THE CONTRACTOR IS REQUIRED TO NOTIFY THE GENERAL PERMIT PROGRAM OFFICE IMMEDIATELY FOLLOWING ANY SPILL OF FUEL OR OTHER TOXIC MATERIAL. CONTRACTOR IS REQUIRED TO FOLLOW-UP WITH WRITTEN DOCUMENTATION, INCLUDING A COMPLETE DESCRIPTION OF THE INCIDENT, MATERIAL SPILLED, AND ACTIONS TAKEN TO CONTAIN AND CLEAN-UP MATERIAL.

FUGITIVE DUST CONTROL:

ALL PROJECTS APPROVED THROUGH THE GENERAL PERMIT PROGRAM (GPP) MUST COMPLY WITH THE CODE OF THE CITY OF AUSTIN AND THE ENVIRONMENTAL CRITERIA MANUAL REQUIREMENTS TO CONTROL AIRBORNE DUST. COMPLIANCE IS REQUIRED FOR ENTIRE PROJECT SITE AS WELL AS ASSOCIATED OPERATIONS. CONTACT THE GPP OFFICE FOR RECOMMENDED CONTROL METHODS.

SPOILS STORAGE:

NO SPOILS STORAGE IS ALLOWED WITHIN A CRITICAL WATER QUALITY ZONE, A 100-YEAR FLOODPLAIN, OR ON A SLOPE WITH A GRADIENT OF MORE THAN 15 PERCENT.

E/S CONTROLS FOR BORE / RECEIVING PIT LOCATIONS:

TEMPORARY E/S CONTROLS MUST SURROUND THE ENTIRETY OF BORING OPERATIONS, INCLUDING PIT, EQUIPMENT, ETC. FOR LOCATIONS WITHIN IMPERVIOUS AREAS, TEMPORARY CONTROL WILL BE TRIANGULAR FILTER DIKE (COA STANDARD DETAIL #628S). DIKE FLAP WILL BE CONTINUOUSLY WEIGHTED DOWN THROUGH THE USE OF 1" BY 4" WOOD STRIPS NAILED TO THE PAVEMENT, EXCEPT FOR THE ACCESS POINT. PLACEMENT OF TEMPORARY E/S CONTROLS ACROSS ACCESS POINT WILL BE REQUIRED WHENEVER THE SITE IS NOT ACTIVELY USED. FOR LOCATIONS WITHIN PERVIOUS AREAS, TEMPORARY CONTROL WILL BE SILT FENCE (COA STANDARD DETAIL #642S-1) OR MULCH SOCKS (COA STANDARD DETAIL #648S-1), AS INDICATED ON APPROVED PLANS.

SOIL RETENTION BLANKET:

UNLESS OTHERWISE INDICATED IN THE PROJECT DOCUMENTS, INSTALLATION OF SOIL RETENTION BLANKET WILL BE REQUIRED FOR ALL IMPACTED SLOPES GREATER THAN 3:1 AND ALL IMPACTED AREAS WITHIN DRAINAGE CONVEYANCES. (CITY OF AUSTIN STANDARD SPECIFICATION ITEM 605S) SOIL RETENTION BLANKET SUBMITTAL MUST BE APPROVED BY PROJECT ENGINEER AND GENERAL PERMIT PROGRAM (GPP) REPRESENTATIVE PRIOR TO USE AND MUST INCLUDE PRODUCT AND INSTALLATION DETAILS PROVIDED BY MANUFACTURER. FINISH GRADING MUST BE INSPECTED AND APPROVED BY GPP INSPECTOR PRIOR TO BLANKET INSTALLATION. INSTALLATION MUST BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND MUST BE INSPECTED AND APPROVED BY GPP REPRESENTATIVE PRIOR TO ACCEPTANCE.

SOD INSTALLATION:

REVEGETATION WITHIN MANAGED TURF AREAS MUST BE ACCOMPLISHED THROUGH THE INSTALLATION OF SOLID BLOCK GRASS SOD. SOD TYPE MUST MATCH ADJACENT GRASS TYPE. QUESTIONS REGARDING SOD TYPE WILL BE RESOLVED BY THE GENERAL PROGRAM PERMIT REPRESENTATIVE. REFER TO CITY OF AUSTIN STANDARD SPECIFICATION ITEM NO. 602S: SODDING FOR EROSION CONTROL, UNLESS OTHERWISE NOTED ON THE APPROVED PLANS.

TxDOT RIGHTS-OF-WAY:

TOPSOIL (TxDOT ITEM NO. 160), SOIL RETENTION BLANKET (TxDOT ITEM NO. 169), AND REVEGETATION (TxDOT ITEM NO. 164) INSTALLED WITHIN TEXAS DEPARTMENT OF TRANSPORTATION (TxDOT) RIGHT-OF-WAY SHALL COMPLY WITH "REQUIREMENTS FOR INSTALLATION OF UTILITIES WITHIN THE STATE RIGHT-OF-WAY, AUSTIN DISTRICT".

PROJECT SEQUENCE:  
(REFER TO FULL PLAN SET FOR PROJECT-SPECIFIC ADDITIONS, IF APPLICABLE.)

PRIOR TO CONSTRUCTION:

1. SECURE APPLICABLE COA PERMITS, INCLUDING APPROVAL UNDER GENERAL PERMIT PROGRAM AND RIGHT-OF-WAY EXCAVATION PERMIT.

2. NOTIFY GENERAL PERMIT PROGRAM REPRESENTATIVE PRIOR TO PLACEMENT OF E/S CONTROLS AND TREE PROTECTION FENCING. ALL PROPOSED PHASING OF CONTROLS MUST BE SUBMITTED TO AND APPROVED BY THE GENERAL PERMIT PROGRAM REPRESENTATIVE PRIOR TO THE FIELD PRE-CONSTRUCTION CONFERENCE.

3. NOTIFY COA TEMPORARY TRAFFIC CONTROL REPRESENTATIVE PRIOR TO PLACEMENT OF TEMPORARY TRAFFIC CONTROLS. ALL PROPOSED PHASING OF CONTROLS MUST BE INDICATED ON APPROVED TEMPORARY TRAFFIC CONTROL PLAN AND SEALED BY PROFESSIONAL ENGINEER.

4. PLACE TEMPORARY E/S CONTROLS AND TREE PROTECTION FENCING PRIOR TO BEGINNING ANY EXCAVATION. INSTALL C.I.P. SIGN, IF APPLICABLE.

5. HOLD ENVIRONMENTAL PRE-CONSTRUCTION CONFERENCE ON SITE WITH THE CONTRACTOR, OWNER'S REPRESENTATIVE, AND GENERAL PERMIT PROGRAM REPRESENTATIVE AFTER INSTALLATION OF E/S CONTROLS AND TREE PROTECTION FENCING AND PRIOR TO ANY TRENCHING OPERATIONS.

6. PLACE TEMPORARY TRAFFIC CONTROL DEVICES.

PROJECT CONSTRUCTION:

1. BEGIN CONSTRUCTION. NOTIFY GENERAL PERMIT PROGRAM REPRESENTATIVE A MINIMUM OF 48 HOURS IN ADVANCE OF TRANSITION BETWEEN PHASES.

2. CONTACT GENERAL PERMIT OFFICE TO SCHEDULE FIELD INSPECTION PRIOR TO BEGINNING INSTALLATION OF PERMANENT E/S CONTROLS.

3. COMPLETE RESTORATION OF ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES FOR THIS PROJECT. (PERMANENT E/S CONTROLS)

4. REMOVE TEMPORARY TRAFFIC CONTROL DEVICES RELATED TO WORK AREAS OUTSIDE OF THE STREET.

5. HOLD ENVIRONMENTAL POST-CONSTRUCTION CONFERENCE ON SITE WITH THE CONTRACTOR, OWNER'S REPRESENTATIVE, AND GENERAL PERMIT PROGRAM REPRESENTATIVE. ALL PERMANENT E/S CONTROLS MUST BE ACCEPTED BY THE GENERAL PERMIT PROGRAM REPRESENTATIVE. PERMANENT CONTROLS SHALL CONSIST OF REVEGETATION PER DETAILS 602, 604S, AND 609S AS INDICATED ON APPROVED PLANS.

6. FOLLOWING FINAL ACCEPTANCE OF PERMANENT E/S CONTROLS BY THE GENERAL PERMIT PROGRAM REPRESENTATIVE, REMOVE TEMPORARY E/S CONTROLS. CLEAN EXISTING STORM DRAINAGE SYSTEMS AS NECESSARY DUE TO CONSTRUCTION OPERATIONS.

7. DRESS-UP AND RESTORE ANY AREAS DISTURBED BY REMOVAL OF TEMPORARY E/S CONTROLS DESCRIBED ABOVE.

REQUIRED SUBMITTALS:

SUBMITTALS REQUIRED TO BE APPROVED BY GENERAL PERMIT PROGRAM REPRESENTATIVE INCLUDE: SUBMITTALS TRIGGERED BY CITY OF AUSTIN SERIES 600 SPECIFICATIONS AND RELATED SPECIAL PROVISIONS/SPECIFICATIONS, CONSTRUCTION SCHEDULE, TREE PROTECTION, P-6 AND OTHER ROOT ZONE PROTECTION/MITIGATION MEASURES, DEWATERING PLAN, WATERING SCHEDULE FOR REVEGETATION AREAS, AND ANY VEGETATIVE REPLACEMENT PROPOSALS, IF NOT ALREADY PART OF THE PERMITTED PLAN SET.

CITY OF AUSTIN - STANDARD NOTES  
TREE AND NATURAL AREA PROTECTION  
(MODIFIED FOR USE ON GENERAL PERMIT PROJECTS)

1. ALL TREES AND NATURAL AREAS SHOWN ON PLAN TO BE PRESERVED SHALL BE PROTECTED DURING CONSTRUCTION WITH TEMPORARY MEASURES.

2. PROTECTIVE MEASURES SHALL BE INSTALLED ACCORDING TO CITY OF AUSTIN STANDARDS FOR TREE PROTECTION.

3. PROTECTIVE MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING), AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE PROJECT.

4. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP, COMPACTION OR CUTTING OF CRITICAL ROOT ZONE WITHIN TREE DRIP LINES.

5. TREE PROTECTION SHALL COMPLETELY SURROUND THE TREES OR GROUP OF TREES AND WILL BE LOCATED AT THE OUTERMOST LIMIT OF BRANCHES (DRIP LINE). FOR NATURAL AREAS, PROTECTIVE MEASURES SHALL FOLLOW THE LIMIT OF CONSTRUCTION LINE, IN ORDER TO PREVENT THE FOLLOWING:

- SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS;
- ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN 6 INCHES CUT OR FILL) OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE GENERAL PERMIT PROGRAM OFFICE OF THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT;
- WOUNDS TO EXPOSED ROOTS, TRUNK OR LIMBS BY MECHANICAL EQUIPMENT;
- OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CEMENT TRUCK CLEANING, AND FIRES.

6. EXCEPTIONS TO INSTALLING PROTECTIVE FENCES AT CRITICAL ROOT ZONES MAY BE PERMITTED IN THE FOLLOWING CASES:

- WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, TREE WELL, OR OTHER SUCH SITE DEVELOPMENT, ERECT THE FENCE APPROXIMATELY 2 FEET BEYOND THE AREA DISTURBED;
- WHERE PERMEABLE PAVING IS TO BE INSTALLED, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA;

- WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE NO CLOSER THAN 6 FEET TO THE BUILDING;
- WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACT SIZE, OR OTHER SPECIAL REQUIREMENTS, CONTACT THE GENERAL PERMIT PROGRAM OFFICE AT 974-6330 TO DISCUSS ALTERNATIVES.

SPECIAL NOTE: FOR THE PROTECTION OF NATURAL AREAS, NO EXCEPTIONS TO INSTALLING FENCES AT THE LIMIT OF CONSTRUCTION LINE WILL BE PERMITTED.

WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE 5 FEET OR CLOSER TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF 8 FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING.

7. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN AREAS OF UNPROTECTED ROOT ZONES, THOSE AREAS SHOULD BE COVERED WITH 12 INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION DURING CONSTRUCTION. FILTER FABRIC UNDERLAYMENT MAY BE REQUIRED AT DIRECTION OF GENERAL PERMIT PROGRAM REPRESENTATIVE BASED ON SITE CONDITIONS AND CONSTRUCTION ACTIVITIES. MAXIMUM FOUR (4) INCHES DEPTH MAY BE LEFT IN PLACE AFTER CONSTRUCTION WITH APPROVAL FROM THE GENERAL PERMIT PROGRAM REPRESENTATIVE.

8. ALL GRADING WITHIN PROTECTED ROOT ZONE AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. PRIOR TO GRADING, RELOCATE PROTECTIVE FENCES TO 2 FEET BEHIND THE GRADE CHANGE AREA.

9. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOP SOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.

10. PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIPLINES, MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR EQUIPMENT TO MINIMIZE DAMAGE TO REMAINING ROOTS.

11. TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES SHOULD BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. TREE CROWNS SHOULD BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.

12. ANY TRENCHING REQUIRED FOR THE INSTALLATION OF LANDSCAPE IRRIGATION SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE.

13. NO LANDSCAPE TOPSOIL DRESSING GREATER THAN 4 INCHES SHALL BE PERMITTED WITHIN THE DRIPLINE OF TREES. NO SOIL IS PERMITTED ON THE ROOT FLARE OF ANY TREE.

14. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC AND EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS. SEE NOTE THREE (3) OF SUPPLEMENTAL TREE PROTECTION NOTES FOR ADDITIONAL REQUIREMENTS.

15. ALL FINISHED PRUNING MUST BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY (REFERENCE THE NATIONAL ARBORIST ASSOCIATION PRUNING STANDARDS FOR SHADE TREES AVAILABLE ON REQUEST FROM THE GENERAL PERMIT PROGRAM OFFICE).

16. DEVIATIONS FROM THE ABOVE NOTES MAY BE CONSIDERED ORDINANCE VIOLATIONS IF THERE IS SUBSTANTIAL NONCOMPLIANCE OR IF A TREE SUSTAINS DAMAGE AS A RESULT.

17. TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.

SUPPLEMENTAL TREE PROTECTION NOTES

1. ALL TREE PROTECTION MUST COMPLY WITH CITY OF AUSTIN REQUIREMENTS AS OUTLINED IN THE ENVIRONMENTAL CRITERIA MANUAL AND AS INDICATED BY STANDARD COA NOTES AND DETAILS INCLUDED WITHIN THIS DOCUMENT SET. CONTRACTOR SHALL INSTALL PROTECTION PRIOR TO PRE-CONSTRUCTION CONFERENCE, MAKE ADJUSTMENTS TO PROTECTION AS DIRECTED BY THE GPP REPRESENTATIVE, AND MAINTAIN PROTECTION UNTIL PROJECT IS COMPLETE.

2. TYPE AND LOCATION OF ALL TREE PROTECTION MUST BE APPROVED IN THE FIELD BY THE GENERAL PERMIT PROGRAM (GPP) REPRESENTATIVE PRIOR TO CONSTRUCTION.

3. WALK-THROUGH: CONTRACTOR SHALL CONDUCT WALK-THROUGH MEETING WITH GENERAL PERMIT PROGRAM REPRESENTATIVE PRIOR TO PERFORMING ANY PRUNING ACTIVITIES ON TREES IN PROJECT AREA. PURPOSE OF WALK-THROUGH WILL BE TWOFOLD. ONE PURPOSE WILL BE TO DETERMINE THE MINIMUM AMOUNT OF PRUNING NECESSARY TO ALLOW CONSTRUCTION WORK TO BE COMPLETED. SECOND PURPOSE WILL BE TO DETERMINE AREAS OF PROJECT IN WHICH EXHAUST DIVERTERS WILL BE REQUIRED ON CONSTRUCTION EQUIPMENT TO PREVENT SCORCHING OF EXISTING TREES.

4. ALL PRUNING MUST BE PERFORMED IN ACCORDANCE WITH ANSI A300 (PART 1) - 2001 AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS (PRUNING), OR LATEST APPROVED VERSION. THIS DOCUMENT MAY BE OBTAINED ONLINE FOR A FEE AT WWW.ANSI.ORG.

5. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS. TO PREVENT BARK TEARS, THE WEIGHT OF THE BRANCH SHALL BE REMOVED BEFORE MAKING FINAL PRUNING CUT.

6. ALL PRUNING SHALL PRESERVE THE NATURAL CHARACTER OF THE TREE.

7. ONLY COLLAR CUTS ARE ACCEPTABLE. NO FLUSH CUTS OR STUB CUTS WILL BE ALLOWED.

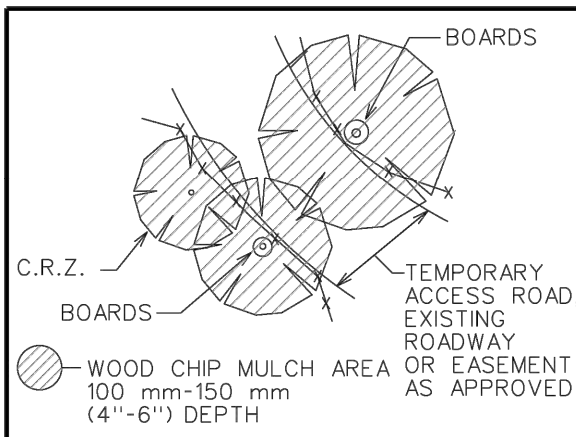
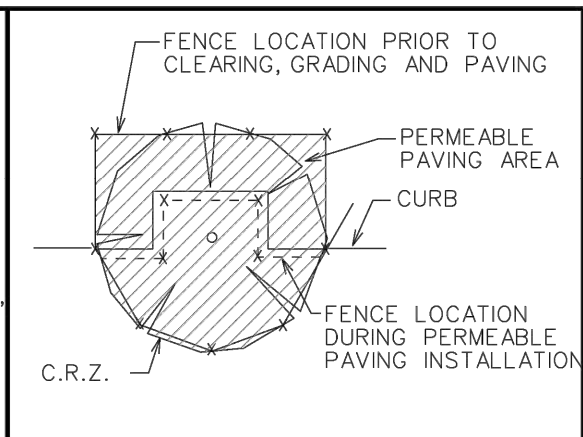
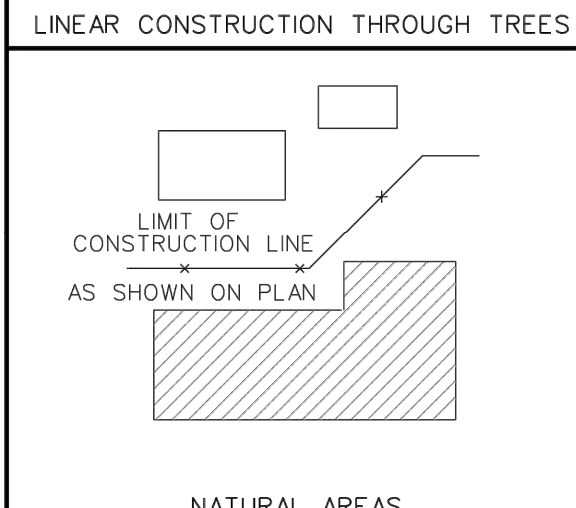
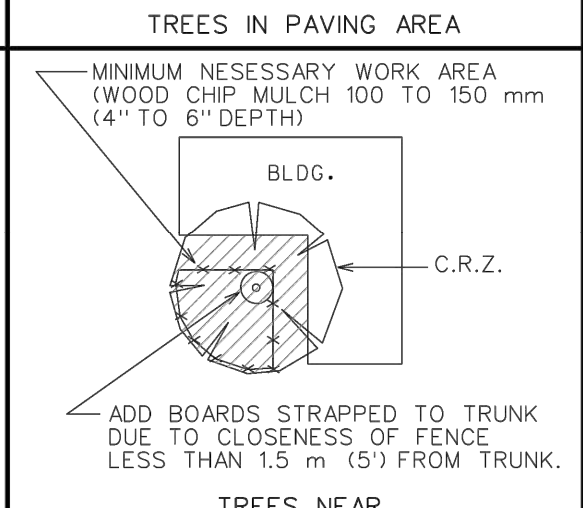
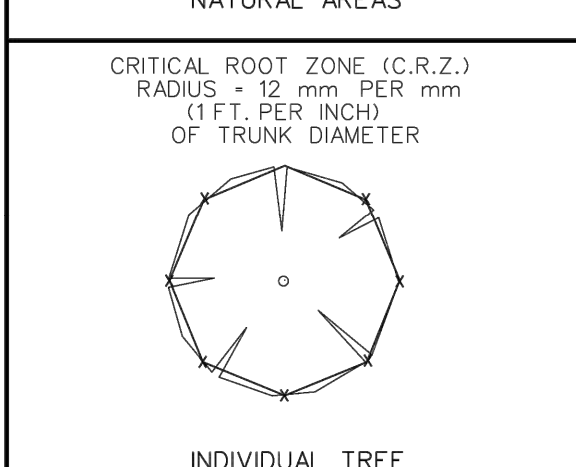
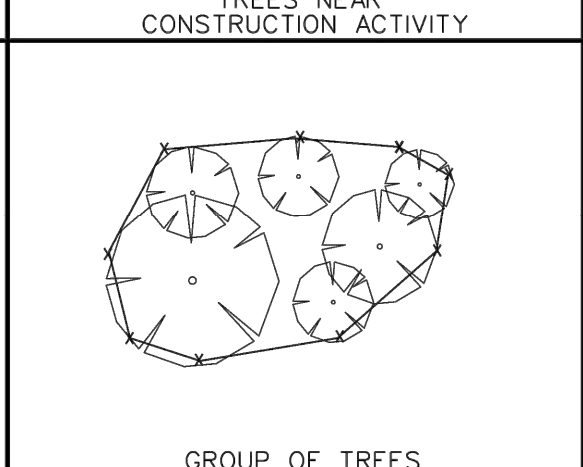
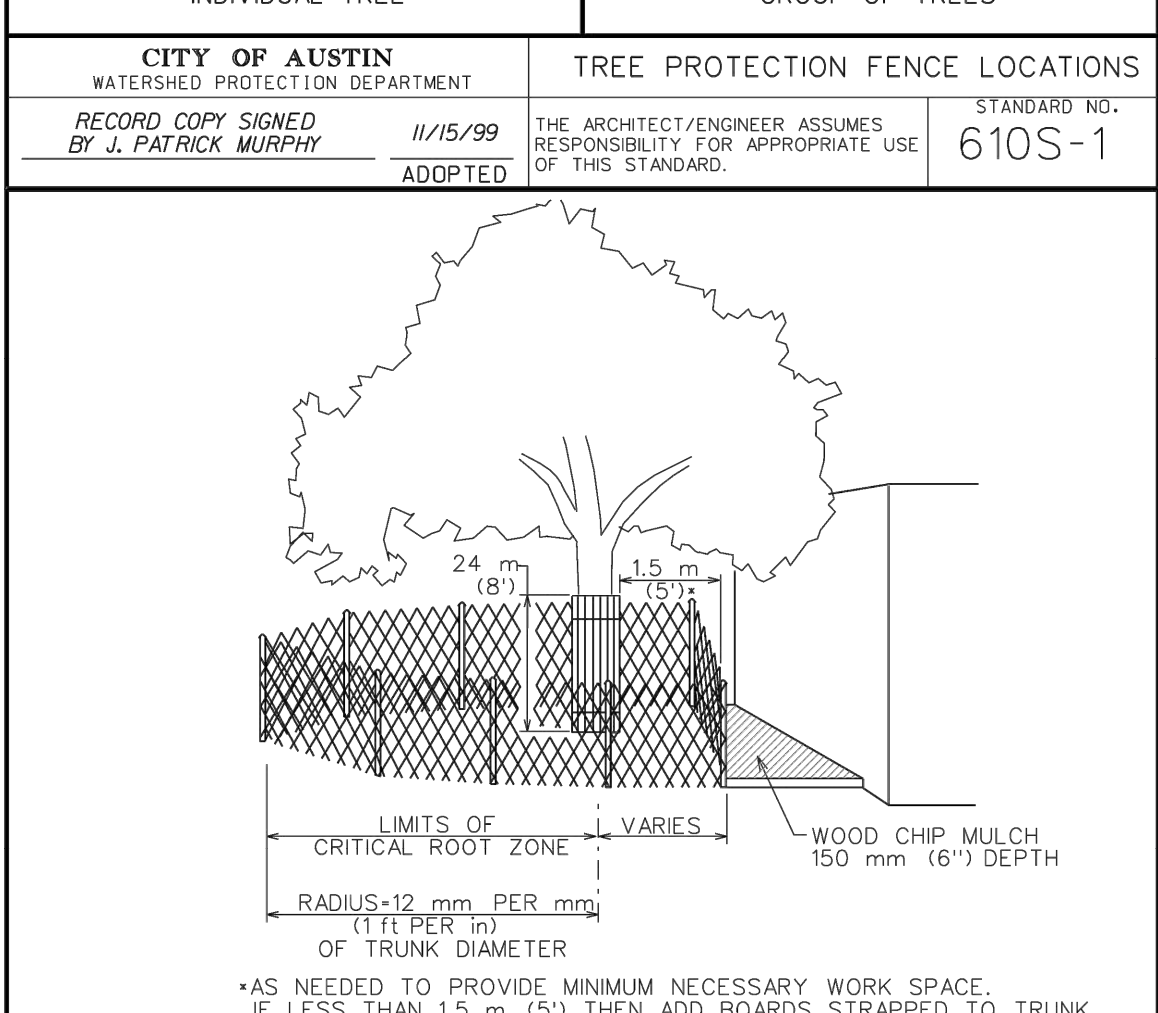
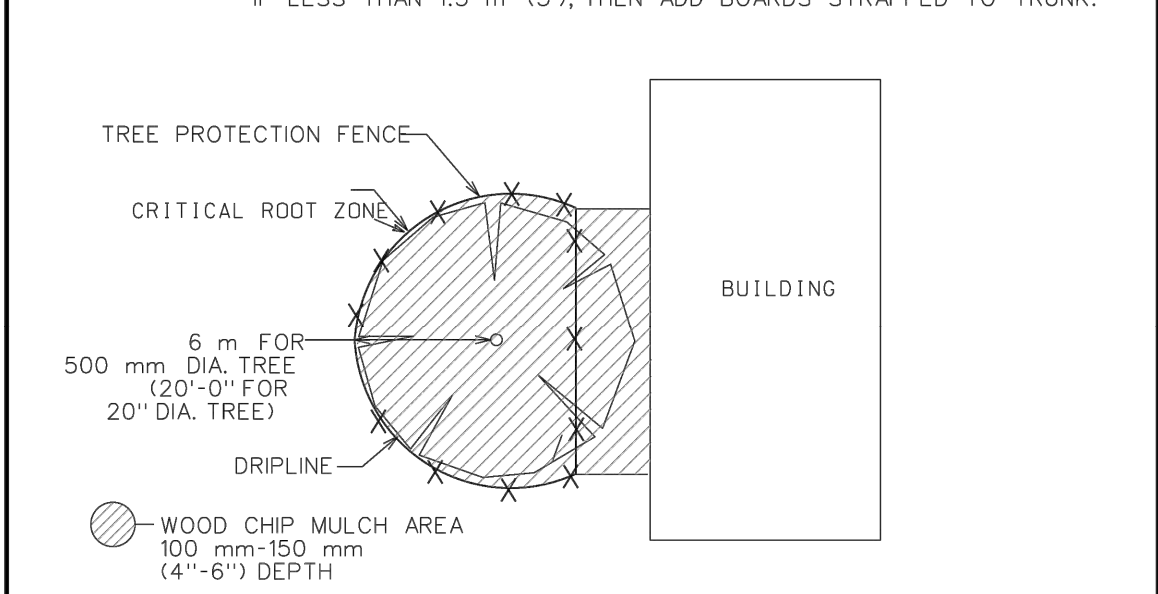
8. ALL BRANCHES THAT ARE BROKEN OR DAMAGED DURING CONSTRUCTION SHALL BE REMOVED.

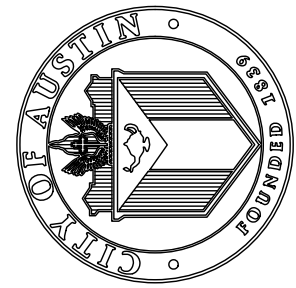
9. PRUNING CUTS OR DAMAGED AREAS ON AN OAK TREE SHALL BE PAINTED WITHIN FIVE MINUTES WITH A STANDARD TREE WOUND DRESSING. TREE WOUND DRESSING SHALL BE EITHER TREEKOTE AEROSOL OR TANGLEFOOT PRUNING SEALER (OR APPROVED EQUAL). THIS ALSO APPLIES TO WOUNDS CREATED BY CONSTRUCTION VEHICLES OR EQUIPMENT. ALL PRUNING MUST BE IN ACCORDANCE WITH COA OAK WILT PREVENTION POLICY.

10. ANY TREE ROOTS THAT ARE EXPOSED, CUT, OR TORN DURING CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SURROUNDING SOIL. (REFER ALSO TO NUMBER 9 OF THE TREE AND NATURAL AREA PROTECTION NOTES INCLUDED IN THIS PLAN SET.)

11. ALL TRENCHING WITHIN THE CRITICAL ROOT ZONE OF A TREE TO BE PRESERVED WILL BE SAW CUT OR EXCAVATED BY HAND, AS APPROVED BY THE GENERAL PERMIT PROGRAM ARBORIST.

12. REFER TO ENVIRONMENTAL CRITERIA MANUAL APPENDIX P-6 FOR FURTHER REMEDIAL TREE CARE REQUIREMENTS. P-6 REMEDIAL TREE CARE WILL BE COORDINATED WITH AND APPROVED BY THE GENERAL PERMIT PROGRAM ARBORIST FOR PROJECTS PERMITTED THROUGH THE GENERAL PERMIT PROGRAM.

 <p>BOARDS C.R.Z. BOARDS WOOD CHIP MULCH AREA 100 mm-150 mm (4"-6") DEPTH TEMPORARY ACCESS ROAD EXISTING ROADWAY OR EASEMENT AS APPROVED</p> <p>LINEAR CONSTRUCTION THROUGH TREES</p>	 <p>FENCE LOCATION PRIOR TO CLEARING, GRADING AND PAVING PERMEABLE PAVING AREA CURB FENCE LOCATION DURING PERMEABLE PAVING INSTALLATION C.R.Z.</p> <p>TREES IN PAVING AREA</p>
 <p>LIMIT OF CONSTRUCTION LINE AS SHOWN ON PLAN</p> <p>NATURAL AREAS</p>	 <p>MINIMUM NECESSARY WORK AREA (WOOD CHIP MULCH 100 TO 150 mm (4" TO 6" DEPTH) BLDG. C.R.Z. ADD BOARDS STRAPPED TO TRUNK DUE TO CLOSENESS OF FENCE LESS THAN 1.5 m (5') FROM TRUNK.</p> <p>TREES NEAR CONSTRUCTION ACTIVITY</p>
 <p>CRITICAL ROOT ZONE (C.R.Z.) RADIUS = 12 mm PER mm (1 FT. PER INCH) OF TRUNK DIAMETER</p> <p>INDIVIDUAL TREE</p>	 <p>GROUP OF TREES</p>
<p>CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT</p> <p>RECORD COPY SIGNED BY J. PATRICK MURPHY</p> <p>11/15/99 ADOPTED</p>	<p>TREE PROTECTION FENCE LOCATIONS</p> <p>STANDARD NO. 610S-1</p> <p>THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.</p>
 <p>24 m (8') 1.5 m (5') WOOD CHIP MULCH 150 mm (6") DEPTH LIMITS OF CRITICAL ROOT ZONE VARIES RADIUS=12 mm PER mm (1 FT PER in) OF TRUNK DIAMETER *AS NEEDED TO PROVIDE MINIMUM NECESSARY WORK SPACE. IF LESS THAN 1.5 m (5'), THEN ADD BOARDS STRAPPED TO TRUNK.</p>	
 <p>TREE PROTECTION FENCE CRITICAL ROOT ZONE 500 mm DIA. TREE 6 m FOR (20'-0" FOR 20" DIA. TREE) DRIPLINE WOOD CHIP MULCH AREA 100 mm-150 mm (4"-6") DEPTH BUILDING</p>	
<p>CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT</p> <p>RECORD COPY SIGNED BY J. PATRICK MURPHY</p> <p>11/15/99 ADOPTED</p>	<p>TREE PROTECTION FENCE MODIFIED TYPE A - CHAIN LINK</p> <p>STANDARD NO. 610S-4</p> <p>THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.</p>



GENERAL PERMIT OFFICE  
TREE PROTECTION  
AND ENVIRONMENTAL NOTES  
CITY OF AUSTIN STANDARD NOTES AND DETAILS

REVISIONS		REMARKS
NO.	BY	DATE



ENGINEERING SERVICES  
DIVISION

GP-2016-\_\_\_\_.PWD

CE-002

13 OF 37

LOPEZ RUBEN

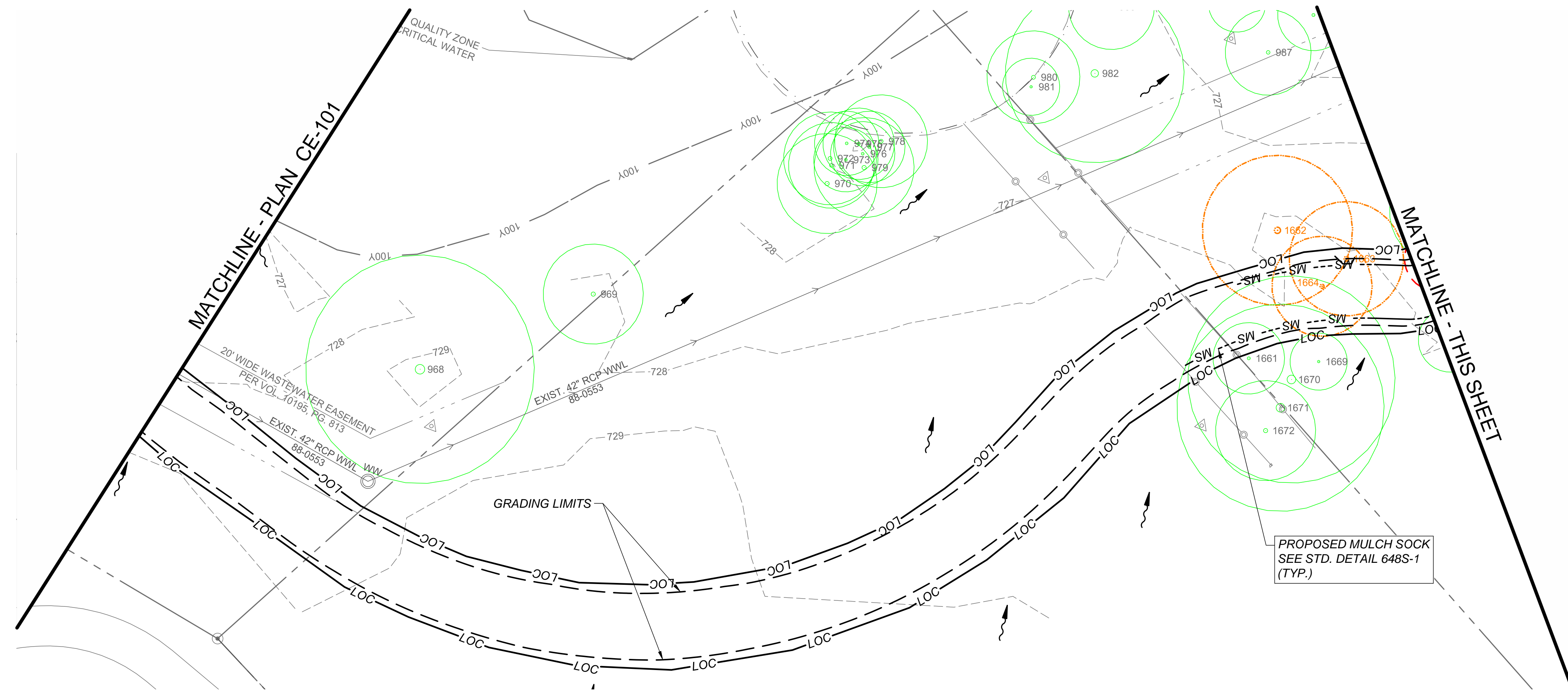
N:\TEAM\PWD\_VIOLATION\GROWING\PRODUCTION\_FILES\GROWING\GFCG-EV\NOTES.DWG\_COA\_PDF\_22X34\_COA-ESD.SBT

8/20/2016 3:14 PM

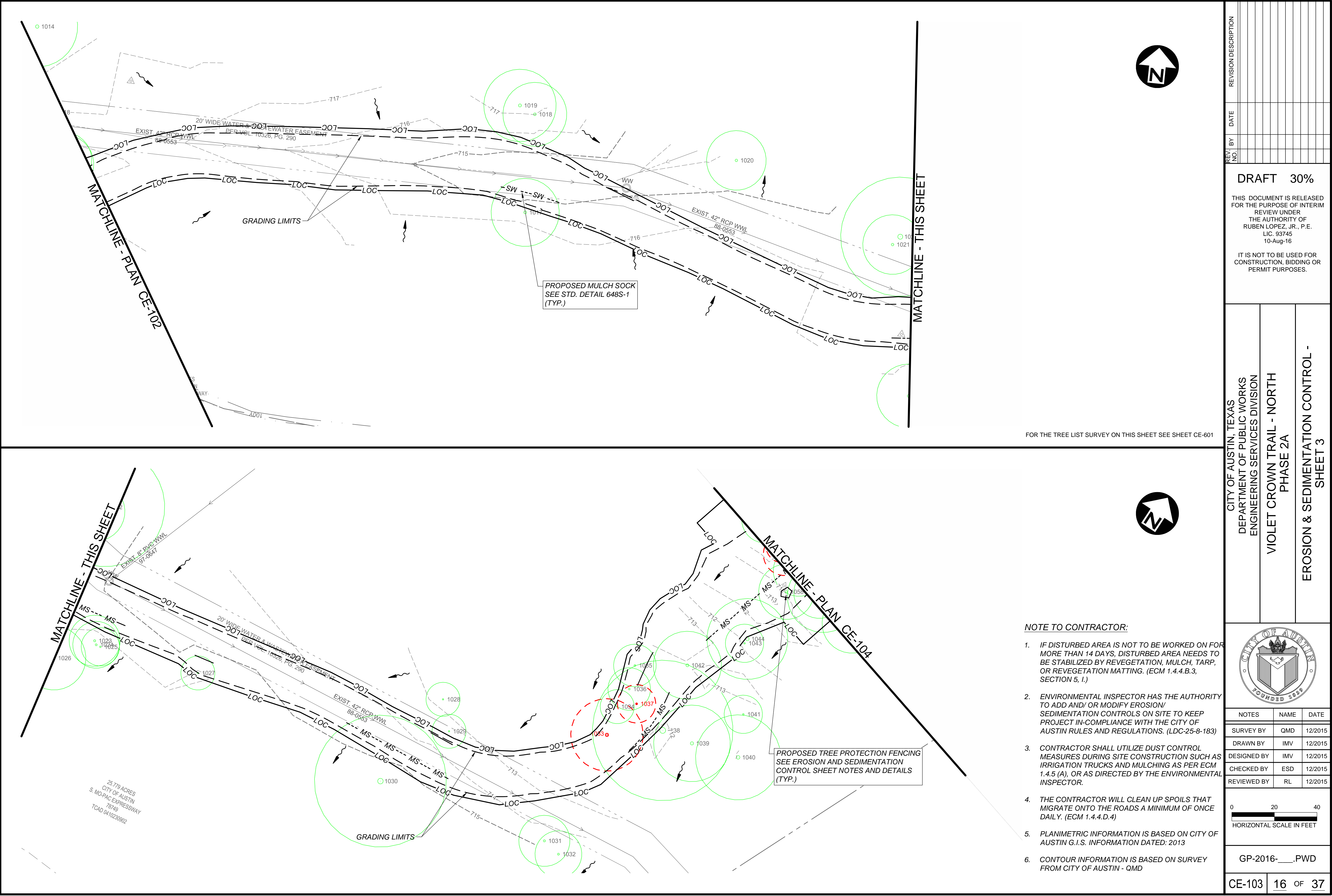














FOR THE TREE LIST SURVEY ON THIS SHEET SEE SHEET CE-601

- NOTE TO CONTRACTOR:**
- IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP, OR REVEGETATION MATTING. (ECM 1.4.4.B.3, SECTION 5, I.)
  - ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/ OR MODIFY EROSION/ SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN-COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS. (LDC-25-8-183)
  - CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1.4.5 (A), OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
  - THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY. (ECM 1.4.4.D.4)
  - PLANIMETRIC INFORMATION IS BASED ON CITY OF AUSTIN G.I.S. INFORMATION DATED: 2013
  - CONTOUR INFORMATION IS BASED ON SURVEY FROM CITY OF AUSTIN - QMD

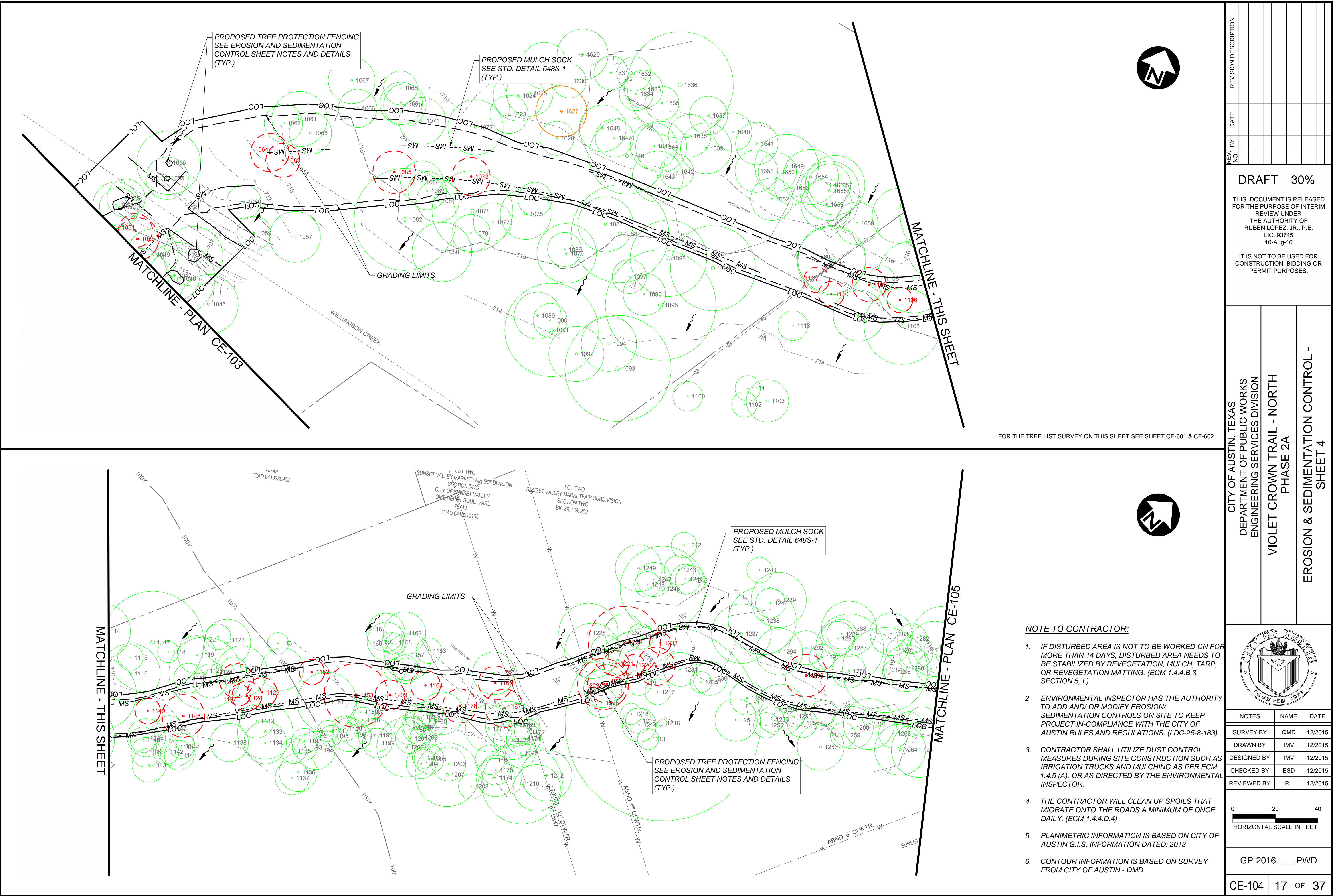
REVISION DESCRIPTION		
REV. NO.	BY	DATE
DRAFT 30%		
THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF RUBEN LOPEZ, JR., P.E. LIC. 93745 10-Aug-16		
IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.		
CITY OF AUSTIN, TEXAS DEPARTMENT OF PUBLIC WORKS ENGINEERING SERVICES DIVISION		
VIOLET CROWN TRAIL - NORTH PHASE 2A		
EROSION & SEDIMENTATION CONTROL - SHEET 3		
		
NOTES	NAME	DATE
SURVEY BY	QMD	12/2015
DRAWN BY	IMV	12/2015
DESIGNED BY	IMV	12/2015
CHECKED BY	ESD	12/2015
REVIEWED BY	RL	12/2015
		
GP-2016-____.PWD		
CE-103	16	OF 37

LOPEZ, RUBEN

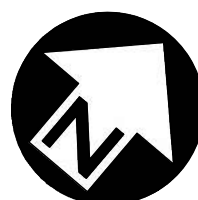
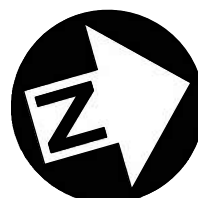
N:\ITEM\IPWD\_VIOLET CROWN\GIS\PRODUCTION\_FILES\DWG\STRC-EV\PLAN\DWG\_COA\_PDF\_22X34\_COA\_ESD.SBT

8/10/2016 3:16 PM



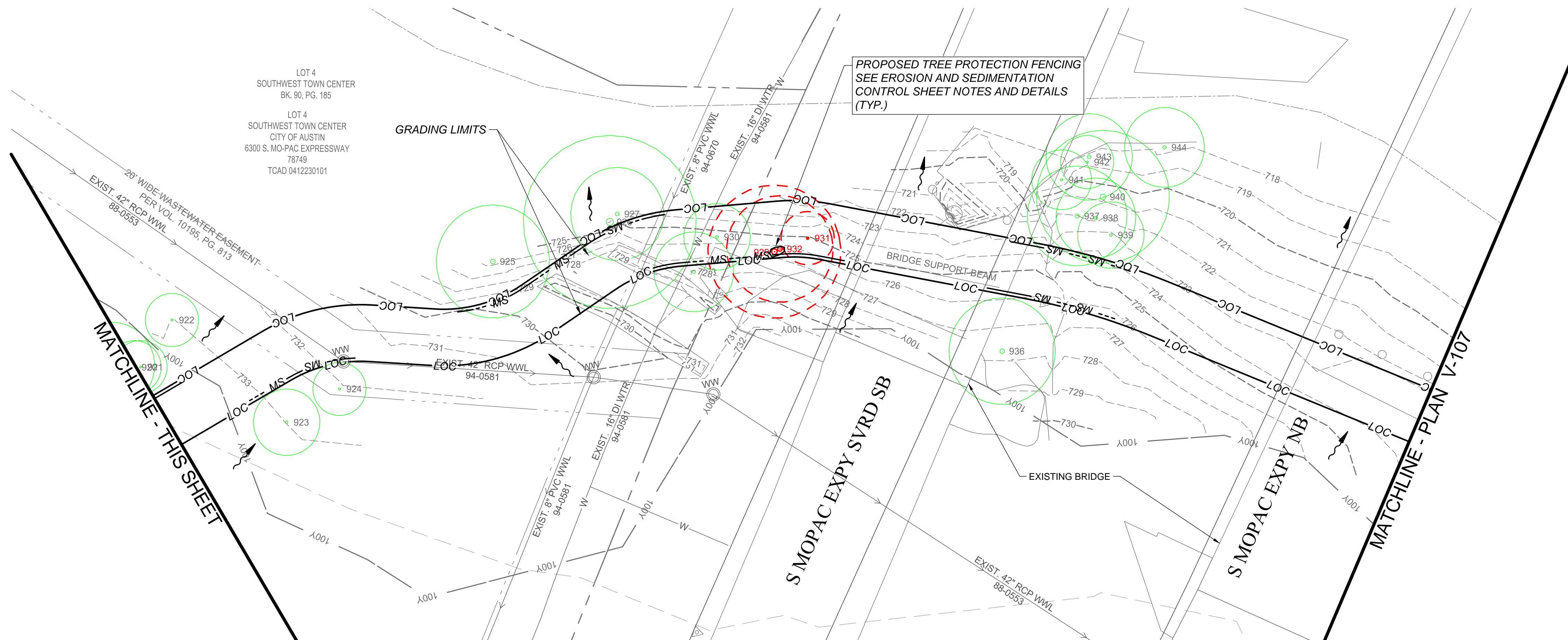
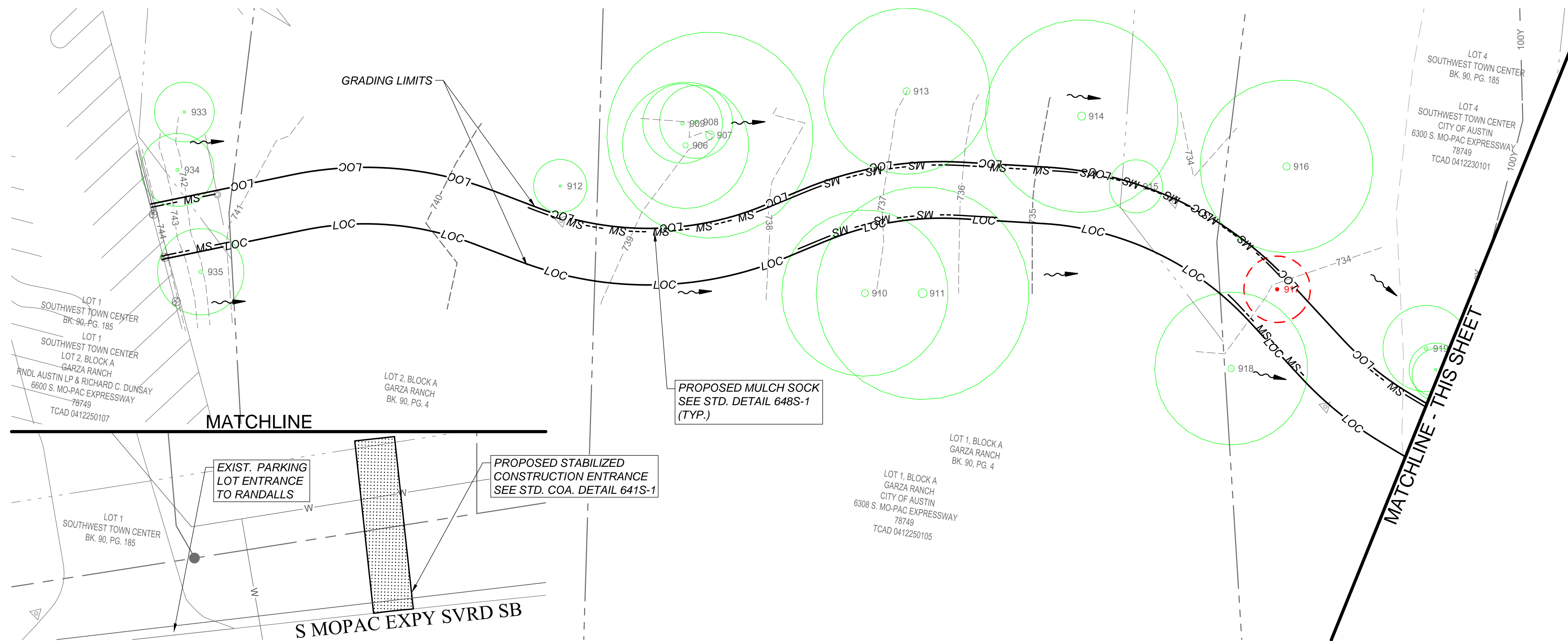






EROSION & SEDIMENTATION CONTROL -  
SHEET 5



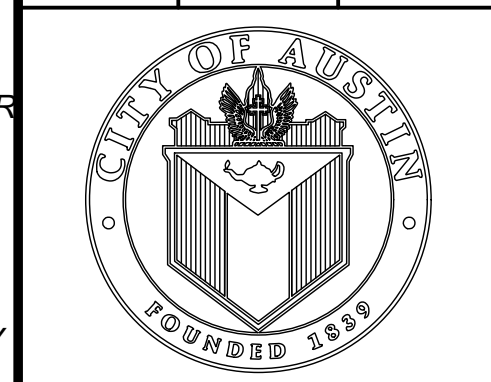
[illegible]

**DRAFT 30%**

THIS DOCUMENT IS RELEASED  
FOR THE PURPOSE OF INTERIM  
REVIEW UNDER  
THE AUTHORITY OF  
RUBEN LOPEZ, JR., P.E.  
LIC. 93745  
10-Aug-16

IT IS NOT TO BE USED FOR  
CONSTRUCTION, BIDDING OR  
PERMIT PURPOSES.

<p>CITY OF AUSTIN, TEXAS          DEPARTMENT OF PUBLIC WORKS          ENGINEERING SERVICES DIVISION</p>
<p>VIOLET CROWN TRAIL - NORTH          PHASE 2A</p>
<p>EROSION &amp; SEDIMENTATION CONTROL -          SHEET 6</p>

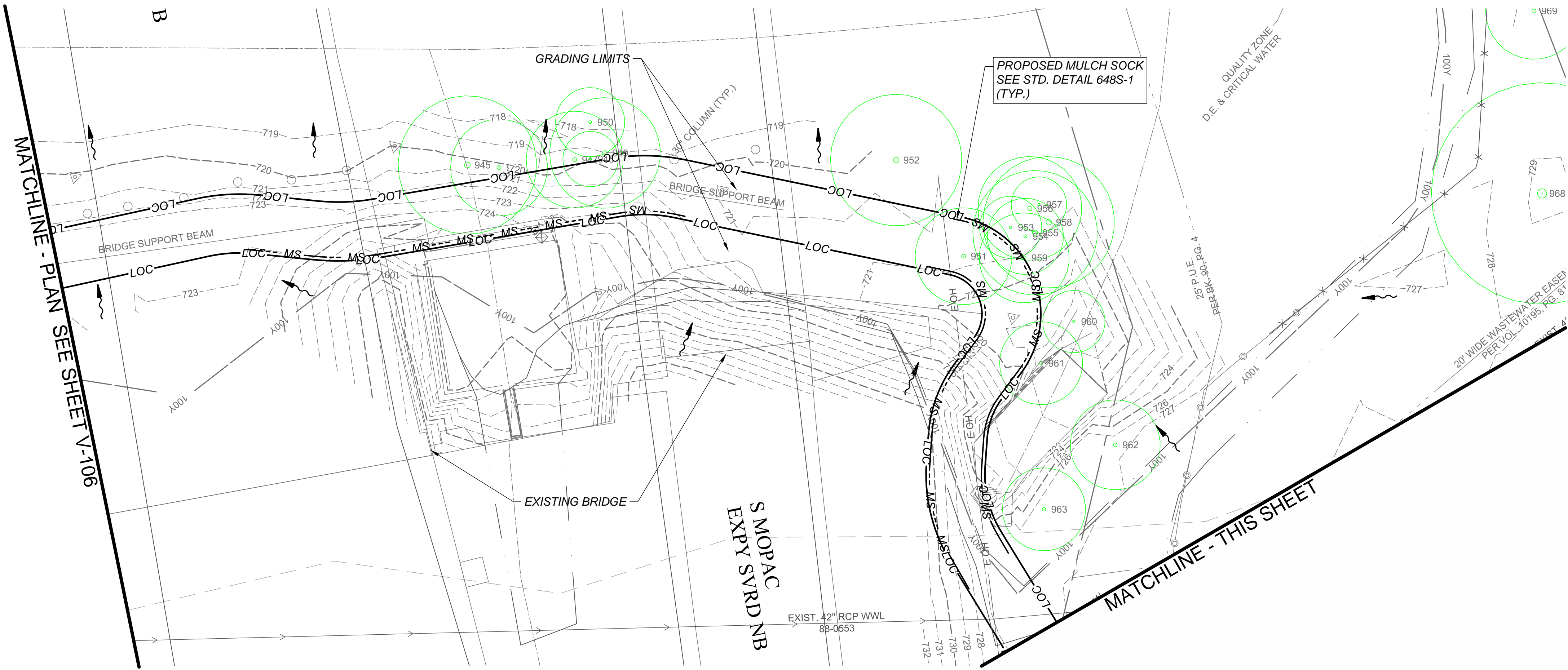


NOTES	NAME	DATE
SURVEY BY	QMD	12/2015
DRAWN BY	IMV	12/2015
DESIGNED BY	IMV	12/2015
CHECKED BY	ESD	12/2015
REVIEWED BY	RL	12/2015

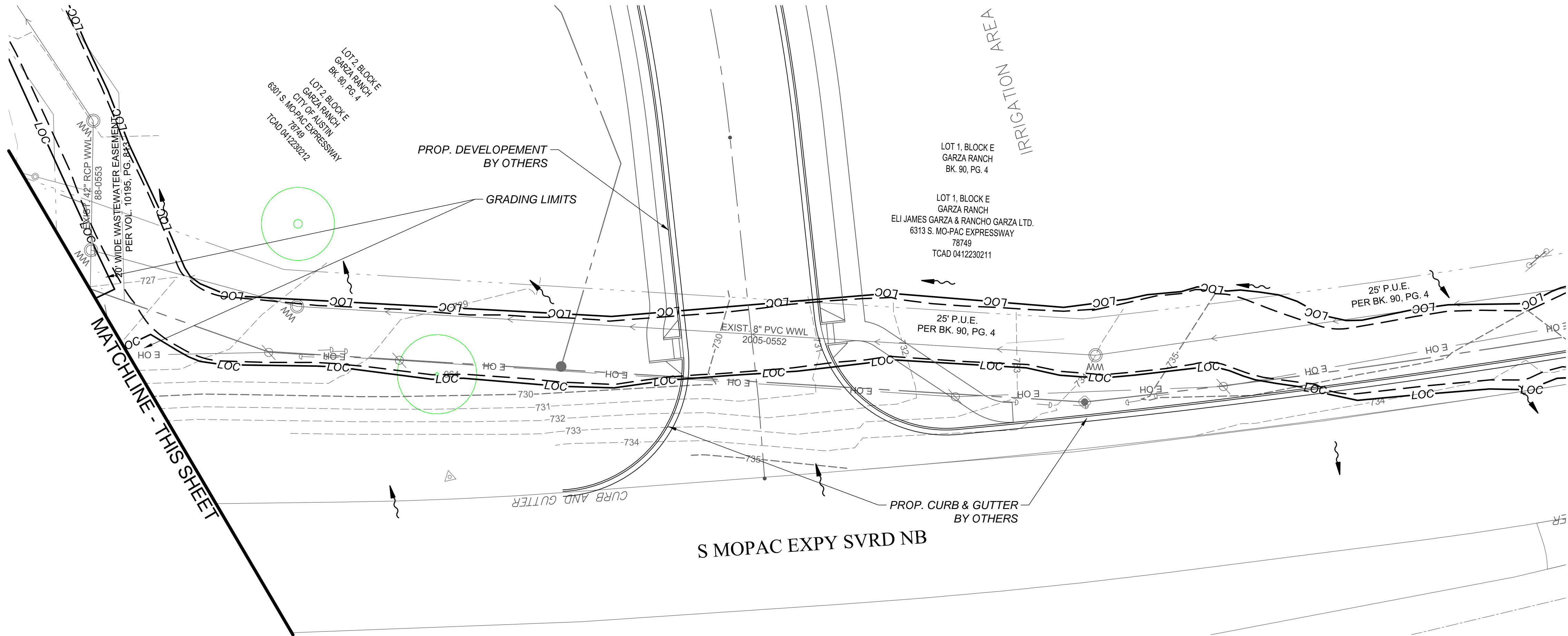


GP-2016-\_\_\_\_.PWD





FOR THE TREE LIST SURVEY ON THIS SHEET SEE SHEET CE-601



- NOTE TO CONTRACTOR:**
- IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP, OR REVEGETATION MATTING. (ECM 1.4.4.B.3, SECTION 5, I.)
  - ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/ OR MODIFY EROSION/ SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN-COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS. (LDC-25-8-183)
  - CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1.4.5 (A), OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
  - THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY. (ECM 1.4.4.D.4)
  - PLANIMETRIC INFORMATION IS BASED ON CITY OF AUSTIN G.I.S. INFORMATION DATED: 2013
  - CONTOUR INFORMATION IS BASED ON SURVEY FROM CITY OF AUSTIN - QMD

REVISION DESCRIPTION	
REV. NO.	DATE
DRAFT 30%	
THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF RUBEN LOPEZ, JR., P.E. LIC. 93745 10-Aug-16	
IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.	
CITY OF AUSTIN, TEXAS DEPARTMENT OF PUBLIC WORKS ENGINEERING SERVICES DIVISION	
VIOLET CROWN TRAIL - NORTH PHASE 2A	
EROSION & SEDIMENTATION CONTROL - SHEET 7	
NOTES	NAME DATE
SURVEY BY	QMD 12/2015
DRAWN BY	IMV 12/2015
DESIGNED BY	IMV 12/2015
CHECKED BY	ESD 12/2015
REVIEWED BY	RL 12/2015
GP-2016-____.PWD	
CE-107	20 OF 37

LOPEZ, RUBEN

N:\ITEM\IPWD\_VIOLET CROWN TRAIL - NORTH PHASE 2A\PRODUCTION\_FILES\DWG\STR-C-EVPLAN.DWG, COA\_PDF\_22X34, COA\_ESD.SB5

8/20/2016 3:17 PM



TREE SURVEY		TREE SURVEY		TREE SURVEY		TREE SURVEY		TREE SURVEY		TREE SURVEY		TREE SURVEY	
NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION
906	19" CEDAR MULTI-STEM	936	16" HACKBERRY MULTI-STEM	966	11" LIVE OAK	996	10" (DEAD)	1026	15" LIVE OAK	1056	15" CEDAR MULTI-STEM	1086	8" LIGUSTRUM MULTI-STEM
907	31" CEDAR MULTI-STEM	937	15" CEDAR	967	13" LIVE OAK	997	11" CHINABERRY MULTI-STEM	1027	8" RED OAK MULTI-STEM	1057	12" CEDAR MULTI-STEM	1087	13" LIVE OAK MULTI-STEM
908	11" CEDAR	938	12" CEDAR	968	32" LIVE OAK MULTI-STEM	998	19" LIVE OAK	1028	8" CEDAR MULTI-STEM	1058	13" CEDAR MULTI-STEM	1088	23" CEDAR MULTI-STEM
909	12" CEDAR MULTI-STEM	939	10" CEDAR	969	14" CEDAR ELM	999	13" (DEAD)	1029	8" CEDAR MULTI-STEM	1059	8" HACKBERRY	1089	11" ASH MULTI-STEM
910	25" CEDAR MULTI-STEM	940	20" LIGUSTRUM MULTI-STEM	970	14" LIVE OAK	1000	15" LIVE OAK	1030	31" LIVE OAK MULTI-STEM	1060	8" CEDAR	1090	8" CEDAR MULTI-STEM
911	32" CEDAR MULTI-STEM	941	9" CHINABERRY	971	12" LIVE OAK	1001	14" LIVE OAK	1031	12" LIVE OAK	1061	13" LIVE OAK	1091	22" LIVE OAK
912	8" CEDAR MULTI-STEM	942	8" CHINABERRY	972	13" LIVE OAK	1002	16" LIVE OAK	1032	11" LIVE OAK	1062	9" CEDAR	1092	13" CEDAR
913	25" CEDAR MULTI-STEM	943	13" LIVE OAK MULTI-STEM	973	9" HACKBERRY	1003	14" LIVE OAK	1033	17" CEDAR ELM	1063	8" CEDAR	1093	25" CEDAR MULTI-STEM
914	29" CEDAR MULTI-STEM	944	12" CEDAR MULTI-STEM	974	9" LIVE OAK	1004	18" LIVE OAK MULTI-STEM	1034	8" CEDAR	1064	9" CEDAR	1094	13" CEDAR
915	8" MESQUITE MULTI-STEM	945	20" LIVE OAK	975	10" LIVE OAK	1005	15" LIVE OAK	1035	10" CEDAR ELM	1065	10" CEDAR	1095	26" CEDAR MULTI-STEM
916	26" MESQUITE MULTI-STEM	946	14" LIGUSTRUM MULTI-STEM	976	9" LIVE OAK	1006	17" LIVE OAK	1036	10" CEDAR ELM	1066	9" CEDAR	1096	10" CEDAR MULTI-STEM
917	10" MESQUITE MULTI-STEM	947	14" LIVE OAK	977	10" LIVE OAK	1007	16" LIVE OAK MULTI-STEM	1037	9" CEDAR	1067	11" LIVE OAK MULTI-STEM	1097	8" CEDAR MULTI-STEM
918	23" CEDAR ELM MULTI-STEM	948	8" LIVE OAK MULTI-STEM	978	13" LIVE OAK	1008	8" CHINABERRY MULTI-STEM	1038	33" CEDAR MULTI-STEM	1068	8" CEDAR	1098	18" CEDAR MULTI-STEM
919	13" MESQUITE MULTI-STEM	949	16" LIVE OAK	979	14" HACKBERRY	1009	19" CHINABERRY MULTI-STEM	1039	18" CEDAR MULTI-STEM	1069	10" CEDAR ELM	1099	20" CEDAR MULTI-STEM
920	8" CEDAR ELM MULTI-STEM	950	10" CEDAR ELM	980	13" CEDAR ELM MULTI-STEM	1010	18" (DEAD) MULTI-STEM	1040	20" CHINABERRY	1070	10" CEDAR MULTI-STEM	1100	7" CEDAR MULTI-STEM
921	8" MESQUITE MULTI-STEM	951	14" CEDAR ELM	981	8" CEDAR ELM	1011	8" LIVE OAK	1041	9" CEDAR MULTI-STEM	1071	11" CEDAR MULTI-STEM	1101	6" CEDAR
922	8" CEDAR MULTI-STEM	952	19" CEDAR ELM MULTI-STEM	982	25" LIVE OAK	1012	9" LIVE OAK	1042	16" CEDAR ELM	1072	13" LIVE OAK	1102	6" CEDAR
923	10" MESQUITE MULTI-STEM	953	9" LIVE OAK	983	12" CEDAR	1013	13" CHINABERRY MULTI-STEM	1043	9" CEDAR ELM	1073	9" CEDAR	1103	10" CEDAR MULTI-STEM
924	8" HACKBERRY	954	11" LIVE OAK	984	8" CEDAR	1014	19" CEDAR ELM MULTI-STEM	1044	19" CEDAR ELM	1074	8" LIVE OAK	1104	12" CEDAR MULTI-STEM
925	17" CEDAR ELM MULTI-STEM	955	18" LIVE OAK MULTI-STEM	985	10" CHINABERRY MULTI-STEM	1015	13" CEDAR ELM	1045	14" CEDAR ELM	1075	12" LIVE OAK MULTI-STEM	1105	18" CEDAR MULTI-STEM
926	26" CHINABERRY MULTI-STEM	956	15" LIVE OAK	986	8" CEDAR MULTI-STEM	1016	14" CEDAR ELM	1046	17" CHINABERRY MULTI-STEM	1076	14" CEDAR MULTI-STEM	1106	6" CEDAR MULTI-STEM
927	14" CEDAR ELM	957	8" LIVE OAK	987	12" CEDAR MULTI-STEM	1017	16" LIVE OAK	1047	12" CEDAR MULTI-STEM	1077	9" CEDAR ELM MULTI-STEM	1107	17" CEDAR MULTI-STEM
928	12" CHINABERRY	958	19" LIVE OAK MULTI-STEM	988	10" CEDAR MULTI-STEM	1018	15" LIVE OAK MULTI-STEM	1048	14" CEDAR ELM	1078	19" LIVE OAK	1108	6" CEDAR MULTI-STEM
929	20" HACKBERRY	959	13" LIVE OAK	989	12" CHINABERRY MULTI-STEM	1019	17" LIVE OAK	1049	12" HACKBERRY	1079	9" CEDAR MULTI-STEM	1109	8" CEDAR MULTI-STEM
930	10" CHINABERRY MULTI-STEM	960	9" CEDAR ELM	990	16" CHINABERRY MULTI-STEM	1020	14" CEDAR ELM	1050	10" CEDAR ELM	1080	14" CEDAR MULTI-STEM	1110	6" CEDAR
931	8" CHINABERRY	961	12" CEDAR ELM MULTI-STEM	991	13" CHINABERRY MULTI-STEM	1021	14" LIVE OAK	1051	8" CEDAR ELM MULTI-STEM	1081	10" LIVE OAK	1111	6" CEDAR
932	16" LIGUSTRUM MULTI-STEM	962	13" LIVE OAK	992	29" LIVE OAK (DEAD)	1022	28" LIVE OAK MULTI-STEM	1052	9" HACKBERRY	1082	24" CEDAR MULTI-STEM	1112	16" CEDAR MULTI-STEM
933	9" LIVE OAK	963	12" CEDAR ELM MULTI-STEM	993	34" LIVE OAK (DEAD)	1023	12" LIVE OAK	1053	11" CEDAR ELM	1083	9" LIGUSTRUM MULTI-STEM	1113	7" CEDAR MULTI-STEM
934	11" LIVE OAK	964	12" LIVE OAK	994	11" MESQUITE MULTI-STEM	1024	11" CEDAR ELM MULTI-STEM	1054	9" CEDAR ELM	1084	10" CEDAR MULTI-STEM	1114	13" LIVE OAK
935	13" LIVE OAK	965	13" LIVE OAK	995	8" HACKBERRY	1025	9" CEDAR	1055	10" CEDAR ELM	1085	10" CEDAR	1115	6" CEDAR ELM

TREE SURVEY		TREE SURVEY		TREE SURVEY		TREE SURVEY		TREE SURVEY		TREE SURVEY		TREE SURVEY	
NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION
1116	14" LIVE OAK	1146	6" CEDAR	1176	7" LIVE OAK	1206	8" CEDAR	1236	8" CEDAR MULTI-STEM	1266	12" CEDAR MULTI-STEM	1296	8" CEDAR ELM MULTI-STEM
1117	24" LIVE OAK MULTI-STEM	1147	6" LIVE OAK	1177	11" CEDAR	1207	15" CEDAR MULTI-STEM	1237	14" CEDAR MULTI-STEM	1267	18" CEDAR ELM MULTI-STEM	1297	6" CEDAR ELM MULTI-STEM
1118	5" CEDAR ELM	1148	10" CEDAR	1178	8" CEDAR MULTI-STEM	1208	6" CEDAR	1238	16" CEDAR MULTI-STEM	1268	10" CEDAR MULTI-STEM	1298	10" CEDAR MULTI-STEM
1119	9" LIVE OAK	1149	6" CEDAR MULTI-STEM	1179	10" CEDAR MULTI-STEM	1209	7" CEDAR MULTI-STEM	1239	13" CEDAR MULTI-STEM	1269	8" CEDAR MULTI-STEM	1299	6" LIVE OAK
1120	17" LIVE OAK MULTI-STEM	1150	7" CEDAR	1180	8" CEDAR	1210	19" LIVE OAK MULTI-STEM	1240	7" CEDAR MULTI-STEM	1270	9" CEDAR MULTI-STEM	1300	6" LIVE OAK
1121	8" LIVE OAK	1151	14" CEDAR MULTI-STEM	1181	6" CEDAR	1211	11" LIVE OAK	1241	6" CEDAR	1271	7" CEDAR MULTI-STEM	1301	6" CEDAR MULTI-STEM
1122	6" ASH MULTI-STEM	1152	6" LIVE OAK	1182	5" CEDAR	1212	12" LIVE OAK	1242	6" CEDAR MULTI-STEM	1272	6" CEDAR MULTI-STEM	1302	6" CEDAR ELM
1123	11" LIVE OAK	1153	15" CEDAR MULTI-STEM	1183	6" CEDAR	1213	5" CEDAR MULTI-STEM	1243	7" LIVE OAK	1273	17" CEDAR MULTI-STEM	1303	7" CEDAR
1124	6" CEDAR	1154	5" LIVE OAK	1184	8" LIVE OAK	1214	8" CEDAR MULTI-STEM	1244	7" CEDAR	1274	6" CEDAR ELM MULTI-STEM	1304	5" LIVE OAK
1125	12" LIVE OAK	1155	6" CEDAR MULTI-STEM	1185	5" LIVE OAK	1215	6" CEDAR	1245	7" CEDAR	1275	16" LIVE OAK	1305	6" CEDAR
1126	8" LIVE OAK	1156	6" LIVE OAK	1186	7" CEDAR	1216	46" LIVE OAK	1246	20" CEDAR MULTI-STEM	1276	5" LIVE OAK	1306	6" LIVE OAK
1127	5" LIVE OAK	1157	11" CEDAR MULTI-STEM	1187	6" LIVE OAK	1217	6" CEDAR MULTI-STEM	1247	8" CEDAR	1277	13" LIVE OAK	1307	8" LIVE OAK
1128	7" CEDAR	1158	5" CEDAR	1188	6" LIVE OAK	1218	5" CEDAR	1248	6" CEDAR MULTI-STEM	1278	7" LIVE OAK MULTI-STEM	1308	6" LIVE OAK
1129	7" CEDAR	1159	5" CEDAR	1189	7" CEDAR MULTI-STEM	1219	6" CEDAR MULTI-STEM	1249	11" CEDAR MULTI-STEM	1279	8" LIVE OAK MULTI-STEM	1309	6" LIVE OAK
1130	10" CEDAR	1160	9" CEDAR MULTI-STEM	1190	6" LIVE OAK	1220	5" CEDAR	1250	8" CEDAR MULTI-STEM	1280	11" CEDAR MULTI-STEM	1310	8" LIVE OAK
1131	5" LIVE OAK	1161	9" CEDAR MULTI-STEM	1191	5" LIVE OAK	1221	6" CEDAR MULTI-STEM	1251	10" CEDAR MULTI-STEM	1281	5" CEDAR ELM	1311	7" LIVE OAK
1132	8" CEDAR MULTI-STEM	1162	10" CEDAR	1192	6" CEDAR	1222	9" LIVE OAK	1252	6" CEDAR MULTI-STEM	1282	7" CEDAR ELM MULTI-STEM	1312	7" LIVE OAK
1133	13" CEDAR MULTI-STEM	1163	6" LIVE OAK	1193	6" CEDAR	1223	12" LIVE OAK	1253	6" CEDAR MULTI-STEM	1283	10" CEDAR ELM MULTI-STEM	1313	10" CEDAR MULTI-STEM
1134	10" CEDAR MULTI-STEM	1164	7" CEDAR	1194	9" CEDAR MULTI-STEM	1224	9" LIVE OAK MULTI-STEM	1254	12" CEDAR MULTI-STEM	1284	20" LIVE OAK MULTI-STEM	1314	9" CEDAR MULTI-STEM
1135	6" LIVE OAK	1165	10" CEDAR	1195	5" CEDAR	1225	7" CEDAR MULTI-STEM	1255	5" CEDAR	1285	5" CEDAR MULTI-STEM	1315	8" LIVE OAK
1136	9" LIVE OAK MULTI-STEM	1166	8" CEDAR	1196	8" LIVE OAK	1226	13" LIVE OAK	1256	7" CEDAR MULTI-STEM	1286	8" CEDAR ELM MULTI-STEM	1316	8" CEDAR MULTI-STEM
1137	8" LIVE OAK	1167	9" LIGUSTRUM MULTI-STEM	1197	6" LIVE OAK	1227	7" CEDAR	1257	11" CEDAR MULTI-STEM	1287	16" LIVE OAK	1317	8" CEDAR
1138	9" CEDAR	1168	11" CEDAR MULTI-STEM	1198	8" CEDAR	1228	14" LIVE OAK	1258	6" CEDAR	1288	13" LIVE OAK	1318	7" CEDAR
1139	6" LIVE OAK	1169	10" CEDAR	1199	7" CEDAR MULTI-STEM	1229	17" CEDAR ELM MULTI-STEM	1259	6" CEDAR MULTI-STEM	1289	7" CEDAR ELM MULTI-STEM	1319	5" LIVE OAK
1140	9" CDAR ELM MULTI-STEM	1170	6" CEDAR	1200	14" CEDAR MULTI-STEM	1230	9" CEDAR MULTI-STEM	1260	10" CEDAR MULTI-STEM	1290	8" CEDAR MULTI-STEM	1320	5" LIVE OAK
1141	7" LIVE OAK	1171	8" CEDAR	1201	7" LIVE OAK	1231	6" CEDAR	1261	12" CEDAR MULTI-STEM	1291	6" LIVE OAK	1321	6" LIVE OAK MULTI-STEM
1142	6" CEDAR	1172	9" CEDAR MULTI-STEM	1202	5" LIVE OAK	1232	5" CEDAR	1262	5" CEDAR	1292	8" CEDAR	1322	7" LIVE OAK
1143	8" CEDAR ELM	1173	7" CEDAR	1203	5" LIVE OAK	1233	9" LIVE OAK	1263	7" CEDAR MULTI-STEM	1293	10" CEDAR MULTI-STEM	1323	8" LIVE OAK
1144	7" LIVE OAK	1174	9" LIVE OAK	1204	7" CEDAR	1234	8" CEDAR MULTI-STEM	1264	12" CEDAR MULTI-STEM	1294	11" CEDAR MULTI-STEM	1324	9" LIVE OAK
1145	9" CEDAR	1175	7" LIVE OAK	1205	7" CEDAR MULTI-STEM	1235	5" CEDAR	1265	13" CEDAR MULTI-STEM	1295	8" CEDAR MULTI-STEM	1325	6" LIVE OAK

[illegible]

**LOPEZ, RUBEN**

N:\TEAM1\PWD\_VIOLETCROWN\DWG\PRODUCTION\_FILES\DWG\VCTR-C-EV-PLAN.DWG, COA\_PDF 22X34, COA\_ESD.STB

8/10/2016 3:17 PM



TREE SURVEY		TREE SURVEY		TREE SURVEY		TREE SURVEY		TREE SURVEY		TREE SURVEY		TREE SURVEY	
NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION
1326	6" LIVE OAK	1356	11" CEDAR MULTI-STEM	1386	9" CEDAR	1416	8" CEDAR MULTI-STEM	1446	6" CEDAR ELM	1476	10" CEDAR MULTI-STEM	1643	12" CEDAR MULTI-STEM
1327	5" LIVE OAK	1357	11" CEDAR MULTI-STEM	1387	12" CEDAR MULTI-STEM	1417	7" CEDAR	1447	9" CEDAR ELM MULTI-STEM	1477	8" CEDAR	1644	12" CEDAR MULTI-STEM
1328	7" LIVE OAK	1358	5" CEDAR	1388	5" CEDAR ELM MULTI-STEM	1418	7" CEDAR MULTI-STEM	1448	9" CEDAR ELM	1478	6" CEDAR MULTI-STEM	1645	11" LIGUSTRUM MULTI-STEM
1329	5" LIVE OAK	1359	7" CEDAR MULTI-STEM	1389	11" CEDAR ELM	1419	7" CEDAR MULTI-STEM	1449	5" CEDAR	1479	14" CEDAR MULTI-STEM	1646	18" CEDAR MULTI-STEM
1330	6" CEDAR	1360	7" CEDAR	1390	11" CEDAR ELM	1420	13" CEDAR MULTI-STEM	1450	10" CEDAR MULTI-STEM	1480	13" CEDAR MULTI-STEM	1647	9" CEDAR
1331	8" CEDAR	1361	6" CEDAR	1391	9" CEDAR MULTI-STEM	1421	7" CEDAR ELM	1451	7" CEDAR ELM	1481	10" CEDAR MULTI-STEM	1648	11" LIVE OAK MULTI-STEM
1332	11" CEDAR	1362	5" CEDAR ELM	1392	7" CEDAR	1422	12" CEDAR ELM	1452	6" CEDAR ELM MULTI-STEM	1482	10" CEDAR MULTI-STEM	1649	15" CEDAR MULTI-STEM
1333	6" LIVE OAK	1363	9" LIVE OAK	1393	6" CEDAR	1423	11" CEDAR MULTI-STEM	1453	6" CEDAR	1483	14" CEDAR MULTI-STEM	1650	9" CEDAR
1334	6" CEDAR MULTI-STEM	1364	12" LIVE OAK	1394	8" CEDAR	1424	10" CEDAR ELM	1454	5" CEDAR	1484	7" CEDAR MULTI-STEM	1651	10" CEDAR
1335	10" LIVE OAK	1365	8" LIVE OAK	1395	6" CEDAR ELM	1425	10" CEDAR MULTI-STEM	1455	5" CEDAR	1485	10" CEDAR MULTI-STEM	1652	10" CEDAR
1336	6" LIVE OAK	1366	12" LIVE OAK MULTI-STEM	1396	6" CEDAR	1426	5" CEDAR	1456	5" CEDAR ELM	1623	9" CEDAR ELM	1653	8" CEDAR MULTI-STEM
1337	10" LIVE OAK	1367	5" CEDAR ELM	1397	8" CEDAR	1427	8" CEDAR ELM	1457	8" CEDAR MULTI-STEM	1624	12" LIVE OAK	1654	13" LIVE OAK
1338	13" LIVE OAK MULTI-STEM	1368	8" BUR OAK	1398	8" CEDAR	1428	6" CEDAR MULTI-STEM	1458	5" CEDAR	1625	11" LIVE OAK	1655	14" LIVE OAK
1339	8" CEDAR	1369	5" CEDAR ELM MULTI-STEM	1399	5" CEDAR ELM MULTI-STEM	1429	5" CEDAR	1459	6" CEDAR ELM	1626	11" LIVE OAK	1656	10" CEDAR MULTI-STEM
1340	13" LVE OAK MULTI-STEM	1370	9" LIVE OAK	1400	7" CEDAR MULTI-STEM	1430	10" CEDAR ELM	1460	5" CEDAR ELM	1627	12" (DEAD)	1657	14" LIVE OAK
1341	7" CEDAR	1371	11" LIVE OAK	1401	5" CEDAR	1431	12" POST OAK	1461	6" CEDAR ELM MULTI-STEM	1628	8" CEDAR	1658	12" CEDAR MULTI-STEM
1342	9" LIVE OAK	1372	10" LIVE OAK	1402	5" CEDAR	1432	8" POST OAK	1462	6" CEDAR MULTI-STEM	1629	12" CEDAR ELM	1659	10" CEDAR MULTI-STEM
1343	9" LIVE OAK	1373	17" LIVE OAK MULTI-STEM	1403	7" CEDAR	1433	6" CEDAR ELM	1463	12" CEDAR MULTI-STEM	1630	8" CEDAR MULTI-STEM	1660	16" CEDAR MULTI-STEM
1344	11" LIVE OAK	1374	10" CEDAR MULTI-STEM	1404	7" CEDAR	1434	11" CEDAR ELM	1464	6" CEDAR ELM	1631	8" CEDAR	1661	10" CEDAR
1345	11" LIVE OAK	1375	6" LIVE OAK	1405	7" CEDAR MULTI-STEM	1435	6" CEDAR ELM MULTI-STEM	1465	6" CEDAR	1632	8" CEDAR MULTI-STEM	1662	21" (DEAD)
1346	10" LIVE OAK	1376	5" LIVE OAK	1406	8" CEDAR MULTI-STEM	1436	6" CEDAR ELM	1466	6" CEDAR MULTI-STEM	1633	9" CEDAR ELM	1663	16" (DEAD)
1347	8" LIVE OAK	1377	7" LIVE OAK	1407	17" CEDAR ELM MULTI-STEM	1437	9" CEDAR ELM MULTI-STEM	1467	8" CEDAR MULTI-STEM	1634	8" CEDAR MULTI-STEM	1664	14" (DEAD)
1348	9" LIVE OAK	1378	6" LIVE OAK	1408	9" CEDAR MULTI-STEM	1438	10" CEDAR	1468	5" CEDAR	1635	8" CEDAR MULTI-STEM	1665	15" CEDAR ELM MULTI-STEM
1349	10" CEDAR	1379	6" LIVE OAK	1409	6" CEDAR	1439	8" CEDAR MULTI-STEM	1469	12" CEDAR ELM	1636	25" LIVE OAK MULTI-STEM	1666	9" CEDAR MULTI-STEM
1350	5" CEDAR ELM MULTI-STEM	1380	5" LIVE OAK	1410	13" CEDAR MULTI-STEM	1440	6" CEDAR	1470	10" CEDAR MULTI-STEM	1637	9" CEDAR MULTI-STEM	1667	10" CEDAR MULTI-STEM
1351	11" LVE OAK	1381	10" CEDAR MULTI-STEM	1411	7" CEDAR MULTI-STEM	1441	10" CEDAR MULTI-STEM	1471	6" CEDAR MULTI-STEM	1638	10" CEDAR MULTI-STEM	1668	9" CEDAR ELM
1352	10" LVE OAK	1382	12" CEDAR MULTI-STEM	1412	6" CEDAR	1442	13" CEDAR ELM	1472	10" CEDAR	1639	12" CEDAR MULTI-STEM	1669	8" CEDAR
1353	7" CEDAR	1383	7" CEDAR MULTI-STEM	1413	9" CEDAR ELM	1443	6" CEDAR	1473	7" CEDAR ELM	1640	9" CEDAR	1670	29" LIVE OAK
1354	8" CEDAR ELM	1384	8" CEDAR	1414	7" CEDAR MULTI-STEM	1444	16" CEDAR ELM	1474	8" CEDAR ELM	1641	10" CEDAR MULTI-STEM	1671	29" LIVE OAK MULTI-STEM
1355	8" CEDAR	1385	8" CEDAR ELM MULTI-STEM	1415	10" CEDAR ELM	1445	8" CEDAR MULTI-STEM	1475	11" CEDAR MULTI-STEM	1642	8" CEDAR MULTI-STEM	1672	14" LIVE OAK

TREE SURVEY	
NUMBER	DESCRIPTION
1673	8" CHINABERRY
1674	26" (DEAD)
1675	8" LIGUSTRUM MULTI-STEM
1676	9" CHINABERRY MULTI-STEM
1677	8" LIVE OAK MULTI-STEM
1678	13" LIVE OAK
1679	13" CEDAR
1680	9" LIVE OAK
1681	10" CEDAR ELM MULTI-STEM
1682	13" LIVE OAK
1683	9" CEDAR ELM
1684	10" CEDAR ELM
1685	14" CEDAR ELM
1686	16" (DEAD)

TREE REMOVAL	
NUMBER	DESCRIPTION
917	10" MESQUITE MULTI-STEM
929	20" HACKBERRY
931	8" CHINABERRY
932	16" LIGUSTRUM MULTI-STEM
1033	17" CEDAR ELM
1037	9" CEDAR
1050	10" CEDAR ELM
1051	8" CEDAR ELM MULTI-STEM
1063	8" CEDAR
1064	9" CEDAR
1073	9" CEDAR
1085	10" CEDAR
1106	6" CEDAR MULTI-STEM
1109	8" CEDAR MULTI-STEM
1110	6" CEDAR
1111	6" CEDAR
1126	8" LIVE OAK
1127	5" LIVE OAK
1128	7" CEDAR
1129	7" CEDAR
1148	10" CEDAR
1149	6" CEDAR MULTI-STEM
1152	6" LIVE OAK
1153	15" CEDAR MULTI-STEM
1164	7" CEDAR
1166	8" CEDAR
1167	9" LIGUSTRUM MULTI-STEM
1178	8" CEDAR MULTI-STEM
1209	7" CEDAR MULTI-STEM
1220	5" CEDAR

TREE REMOVAL	
NUMBER	DESCRIPTION
1221	6" CEDAR MULTI-STEM
1222	9" LIVE OAK
1223	12" LIVE OAK
1229	17" CEDAR ELM MULTI-STEM
1232	5" CEDAR
1233	9" LIVE OAK
1268	10" CEDAR MULTI-STEM
1269	8" CEDAR MULTI-STEM
1293	10" CEDAR MULTI-STEM
1366	12" LIVE OAK MULTI-STEM
1382	12" CEDAR MULTI-STEM
1391	9" CEDAR MULTI-STEM
1398	8" CEDAR
1399	5" CEDAR ELM MULTI-STEM
1416	8" CEDAR MULTI-STEM
1425	10" CEDAR MULTI-STEM
1426	5" CEDAR
1427	8" CEDAR ELM
1429	5" CEDAR
1443	6" CEDAR
1445	8" CEDAR MULTI-STEM
1477	8" CEDAR
1478	6" CEDAR MULTI-STEM
1664	14" (DEAD)
1666	9" CEDAR MULTI-STEM
12018	11" CEDAR MULTI-STEM
12019	16" CEDAR MULTI-STEM
12020	10" CEDAR MULTI-STEM
12021	13" CEDAR MULTI-STEM
12022	12" CEDAR MULTI-STEM

TREE REMOVAL	
NUMBER	DESCRIPTION
12023	12" CEDAR MULTI-STEM
12030	9" CEDAR MULTI-STEM
12031	11" CEDAR MULTI-STEM
12048	7" CEDAR MULTI-STEM
12049	13" CEDAR MULTI-STEM
12051	11" CEDAR MULTI-STEM
12068	9" CEDAR ELM
12078	10" CEDAR ELM

REVISION DESCRIPTION

REV NO

DATE

BY

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

DRAFT 30%


THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF RUBEN LOPEZ, JR., P.E. LIC. 93745 10-Aug-16

IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.


CITY OF AUSTIN, TEXAS  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING SERVICES DIVISION

VIOLET CROWN TRAIL - NORTH  
PHASE 2A

EROSION & SEDIMENTATION CONTROL -  
TREE LIST



NOTES	NAME	DATE
SURVEY BY	QMD	12/2015
DRAWN BY	IMV	12/2015
DESIGNED BY	IMV	12/2015
CHECKED BY	ESD	12/2015
REVIEWED BY	RL	12/2015



ENGINEERING SERVICES  
DIVISION

GP-2016-\_\_\_\_.PWD

CE-602

22 OF 37

LOPEZ, RUBEN

8/20/2016 3:17 PM